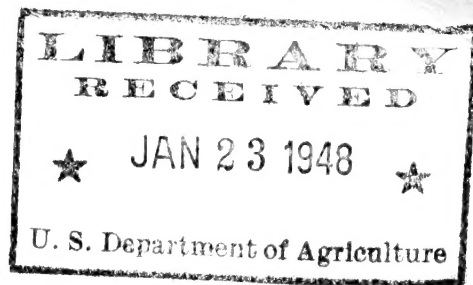


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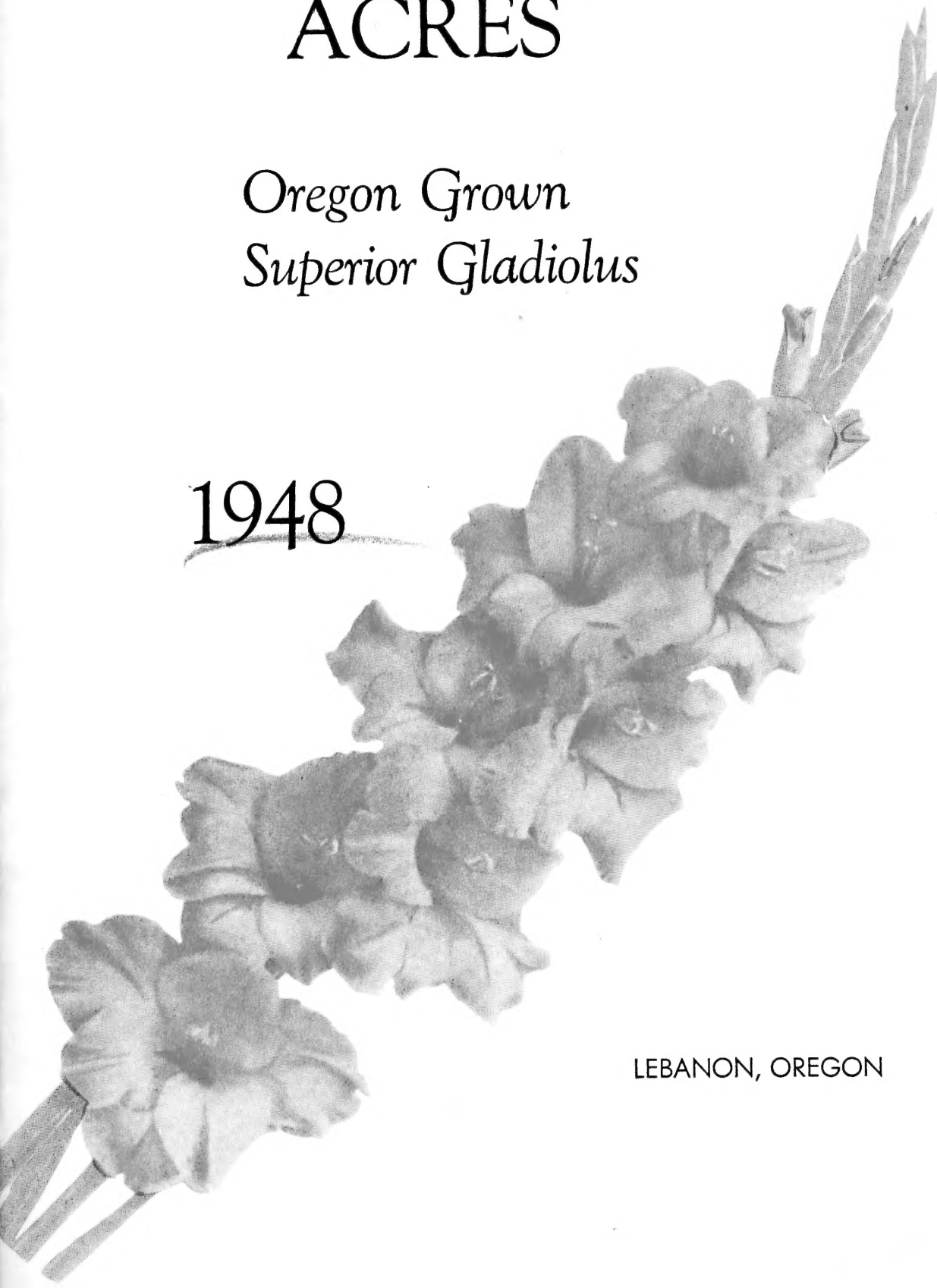
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GLADLAND ACRES

Oregon Grown
Superior Gladiolus

1948



LEBANON, OREGON

WINTER NIGHT

In the Valley of the Santiam, the winter skies, gray filled
With low-hung clouds, and dripping mists that blur and dim the greens,
The verdant greens of towering firs that cloak the cragged hilled
Approaches of the lofty Cascade range. Except for scenes
Like these when days are crystal bright, fogs drift and hide
My view of spired snowclad peaks, and forests deep and wide.
The eve is come, the dreary day forgotten, as beside
The warming glow and gleam of crackling log, I feel a tide
Of dreams, of longing dreams of sun-drenched summer days
When "GLADS" anew allure me with their mystic, magic maze
Of color harmonies so rich, so fair, they seem to blaze
Into rare exotic beauty that thrills me as I gaze.

With pen and pencil at my hand, and note books by my chair,
And stacked upon the table top, lie all my treasured store
Of newest catalogs. I scan each page with utmost care,
My trays are full of bulbs I've grown, and still I must try more,
For thru these pages as I read, are kinds that seem to me
Far better than the ones I've known — and I can't wait to see
Just how they will compare — and whether they will be
The hoped for, sought for, dreamed of Glad which yet is mystery.
Ah! here is one — a deep'ning ruddy rose, with creamy blend
In throat, with ruffled edge of lighter tint, erect, straight stemmed,
Tall growth, with florets full and wide. Perhaps this glad will lend
New loveliness. And so thru pleasant hours, till dreams must end.

The dream is half the joy, and when imagination sure
Paints visions of true beauty in that mental eye, as pure
And real as life itself, it is my hope that you, like me,
May fill the welcome evening hours with garden phantasy.

—Paul V. Baker



THE 1948 GLADLAND ACRES CATALOG

We welcome the new year with enthusiasm. Certainly the past year has gained for us a host of new friends, evidenced by hundreds of cordial letters, and many visitors this summer with whom we have thoroughly enjoyed checking our fields.

This is the second catalog issued by Gladland Acres under Baker ownership and management. Gladland Acres is a family enterprise—Paul V. Baker who writes the catalog and advertising copy — Mrs. Stella M. Baker who assists in office detail — and our son James, a war veteran of over 5 years service, who manages the field operations and the packing and storage houses.

In our first catalog we planned to give the kind of arrangement, and the definite information, that we, ourselves, would want to have when we buy gladiolus. Apparently the most of you liked it — and many have written that they considered it the best of the 1947 gladiolus catalogs. We are trying to make this an even better one, and are trying to incorporate in it, information of such value that you will want to preserve it as a book of reference.

It is pleasing to be able to tell you Gladland customers how you have helped us grow.



PAUL V. BAKER checking APRIL

In 1945 we grew about 1½ acres, producing 400,000 bulbs. In 1946 we grew about 6 acres, producing 1,500,000 bulbs. In 1947 we grew about 16 acr., producing 6,000,000 bulbs.

Our sales of the 1945 and the 1946 crops entirely exhausted our production except for propagation reserves. Advance sales are now so much ahead of last year that it begins to seem that we would need to again increase our acreage. Already (Oct. 15) we are entirely sold out of large size bulbs in more than a dozen varieties, except for a very small quantity of each, which have been reserved for early buying retail customers. We were highly complimented this summer on our gladiolus farm. One prominent visitor from Ohio called it an ideal layout for gladiolus. The past summer we constructed an additional 3,000,000 bulb capacity storage house, a fumigation chamber for use of methyl-bromide, an office, and

built thousands of wire bottomed storage trays, and increased our facilities for irrigation. One of our principal investments was in stocks of new and improved gladiolus varieties. A careful check of our catalog this year against our 1947 list will show more than 100 varieties of our own growing at Gladland Acres, appearing for the first time in our offerings. We cease to list a number when we feel that it has been definitely surpassed either in vigor or beauty, or both.

SUPERIOR VARIETIES

Gladland Acres have for many years been active in growing only the better newer varieties. We do not believe that any other grower is growing and offering a more extensive list of superior sorts.

Our list is like the Blue Book of Society. Many older names are listed because they still fill a garden need — and the newer names are shown, not because they are new, but because they seem to us at this time to be varieties that are either definitely superior to similar color types, or have such originality that they merit space with every gardener who is concerned that his Gladiolus section is an outstanding one. One thing is certain: THAT THERE IS NOT A SINGLE VARIETY THAT DOES NOT POSSESS SPECIAL MERIT — NOT A SINGLE VARIETY THAT WHEN WELL GROWN DOES NOT HAVE PRIZE-WINNING POTENTIALITIES IF EXHIBITED IN A GLADIOLUS SHOW. Even if you know absolutely nothing of Gladiolus varieties by name — you may be assured that the very fact that it is included in our list is prima-facie evidence that it can produce a flower spike that of its color, size, and type is an outstanding one. With our segregation of varieties into their color classes — it is a simple matter to be sure of having in your garden next summer, every shade and size that you desire by simply selecting from these classes, varieties which in size and form appeal to you most. You may not pick what the advanced Gladiolus "Fan" considers the best, but you can't pick a poor or indifferent variety from our list.

COST IS NOT THE MEASURE OF BEAUTY

Cost is no criterion of the charm and beauty of a Gladiolus. In most cases prices are not reduced to a low level until the variety has proven its worth to an extent that an expanded propagation program has been necessary to keep up with the demand—and in such case the cost level reflects only the cost of growing and marketing, without the necessity of having to add to the price of each bulb sold, a percentage of the oftentimes heavy investment in the original starting stock of a new introduction.

We do not offer a variety solely because it is new and the price is high, neither do we drop one from the list just because it reaches a low-price field. What we do offer is potential beauty, in bulbs of such health and vigor, that you may confidently expect to realize in your garden the possibilities that have already made you a Glad Fan.

WHY WE CAN LOWER PRICES

It is due to the extraordinary propagation of Gladiolus when grown in our fertile Oregon bulb soil, that has enabled us to quickly build stocks to such quantities that we are able to reduce prices of newer kinds so rapidly. You need only to compare our prices of such sorts as Burma, Silver Wings and Snow Cruiser with any list of last year to realize what substantial savings we are able to offer you. However, we have high labor costs—so that when a variety reaches a price level of 10c for large bulbs then the cost of the labor of production, precludes any further such price reduction. This is also the reason that we cannot afford to fill an order for less than 25c of a single variety—nor handle an order of less than \$2.00 total. As a matter of record our retail orders of last year exceeded in average \$10.50 each, and with remittances of this average we can afford to be liberal with our bonus gifts.

THE REASON FOR GLADLAND ACRES RAPID GROWTH

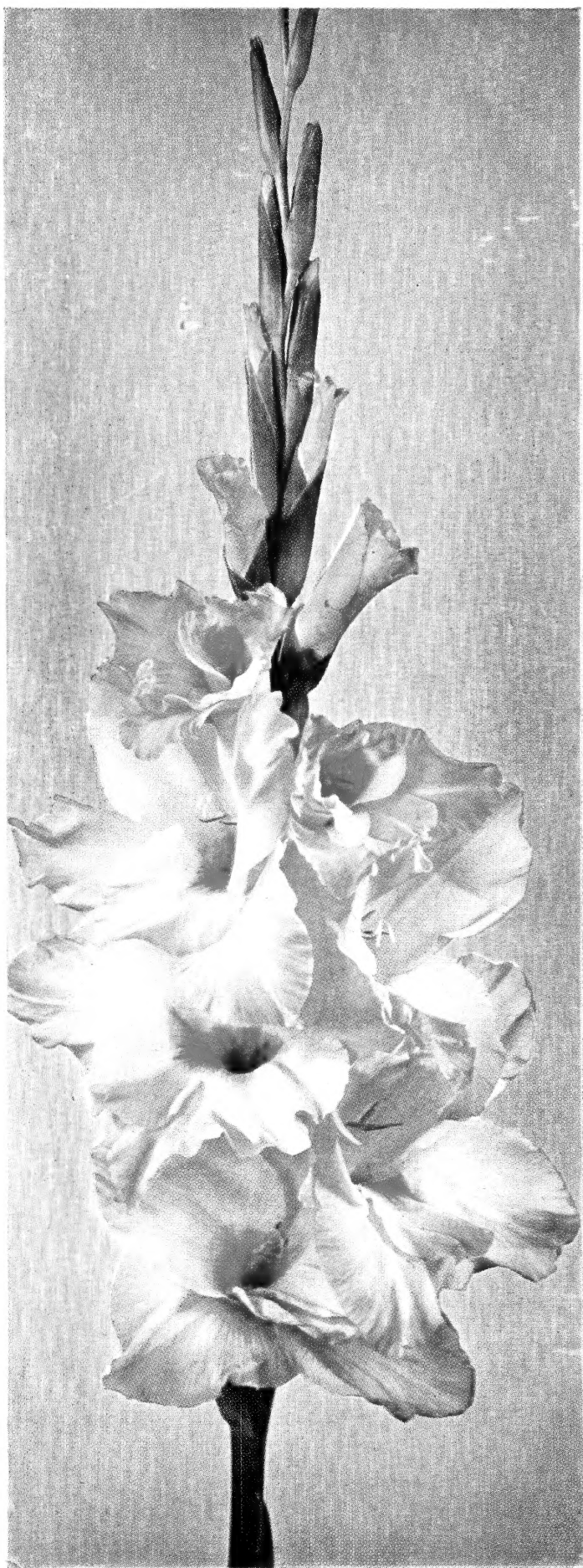
We think it is because we want to give our Gladland customers the utmost possible in bulb values for that part of their gladiolus budget that they entrust to us, and our bonus bulbs represent dividends, which we could not anticipate before our cost of production was actually definite in amount.

Second, we try to offer only those kinds which will give you the greatest pleasure and are surest to reward you for the money and effort you will have expended.

Of course we do profit financially in the conduct of our business, but we honestly value more than this money return, the friends we are making. Nearly every repeat order — and we have so many — carries some cordial note of appreciation which makes our days happier. Our trips to flower shows and conventions are always highlights, simply because we renew old friendships and make new friends.

Our whole life we have worked with ornamental flowers and plants — now we are working with the flower that we enjoy most of all of them — and as we contact those who share our enthusiasm, and by our efforts help in creating new gladiolus growers who will enjoy them as we do, we cannot but think how appropriate our business name — for Gladland is surely a Joyland.

It is always pleasant to hear from you. Certainly we want reports of errors in filling orders, or of bulbs that are not apparently in perfect condition, as we are most anxious to correct such mistakes. We need your constructive criticism — it is only by having someone tell us of our faults that we can improve our methods. We would like to have your photographs of outstanding spikes or arrangements — perhaps they would be just what we need for next year's catalog. If we do use them, you can be sure that we will show our appreciation in a substantial manner.



ELIZABETH THE QUEEN

SUBSTITUTIONS

Frankly, we know that we are going to list many sizes and perhaps even a few varieties that will be sold out even by the time this catalog reaches you. As many bulbs as we grew this past year as compared to what were grown and sold in the past, it seems to us incredible that we should even have to mention substitutions.

Please do state in your order whether substitutions in sizes, when necessary, may be made by us.

We will not substitute in variety — even in cases where our stock would allow us to give you similar quantity of a kind we think superior (and probably higher priced) unless you specifically tell us to do so.

THIS IS OUR RETAIL CATALOG. IF YOU ARE A COMMERCIAL FLOWER GROWER OR A DEALER OR CATALOGER OFFERING FOR RESALE THE BULBS YOU BUY, YOU ARE ENTITLED TO WHOLESALE OR JOBBER PRICES. Please advise us if you fall into any of the latter classes so that we may offer you the schedules to which you are entitled.

TERMS

TERMS: Cash with order; or remit 25% with order and balance may be remitted before shipping date, or we will send C.O.D. for the balance if you prefer. MINIMUM ORDER THAT WE CAN ACCEPT IS \$2.00. On orders totaling less than \$5.00 please remit full amount with order.

SHIPMENTS

We ship either by PARCEL POST or EXPRESS. We do not guarantee the safe arrival of parcel post shipments. All shipments to the east must cross the Cascade and Rocky mountains where cold, even in the late spring may be intense, are protected against freezing by the express company, and are insured against loss or damage in transit and against freezing damage. Should your bulbs be frozen simply have your express agent give you a "frozen in transit" statement and we will immediately replace the shipment prepaid without further cost to you. We will furnish you with an itemized statement covering the shipment including the value of the bonus bulbs which you should file with express company. When this check is received, simply endorse and forward to us. All express shipments are sent "transportation charges collect," but we add sufficient bulbs to more than offset these charges. UNLESS YOU SPECIFY PARCEL POST, WE WILL SHIP BY EXPRESS. Under no circumstances will a C.O.D. shipment be forwarded other than by express.

PREMIUM BULBS

It is our custom to add to each retail order extra bulbs of our selection—the amount depending upon the size of the order. The value of these free bulbs will be approximately \$1.00 on a \$5.00 order, ranging up to \$25.00 on a \$50.00 order. If you wish you may suggest the color classes from which you would prefer our selection of the gift varieties.

OREGON GROWN BULBS

As amateurs we have grown gladiolus in Oklahoma and in Kansas, and have watched them growing in all of the states of the middle-west and in many of the western states. It was our experience there, that OREGON GROWN bulbs produced for us the finest flower spikes. Hence it was natural that when we decided we would like to grow glad bulbs commercially; to make a business of what had been our favorite garden avocation; that we came to Oregon to grow them.

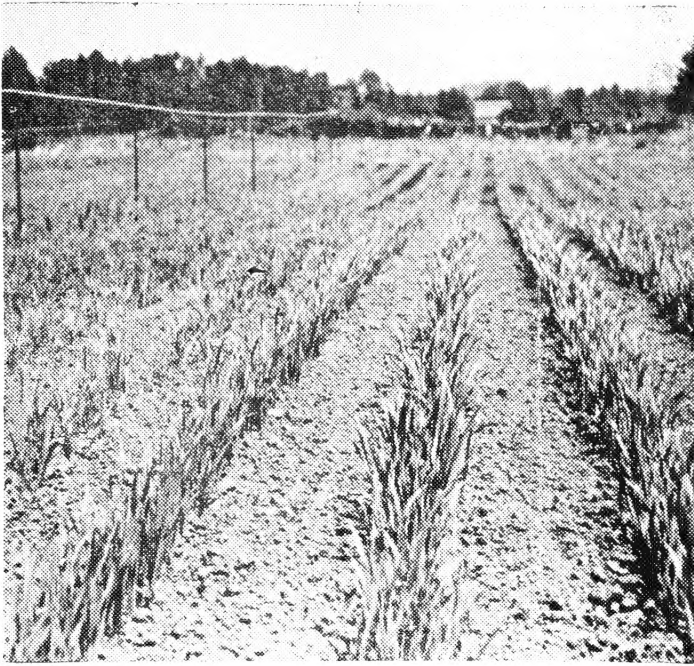
Here in Oregon, the famed Willamette valley of western Oregon seemed to produce the best of the gladiolus bulbs; and of this valley, the Santiam River valley, at the easterly edge of the Willamette, nestling directly against the foothills of the lofty Cascade Range, seemed to us the heart of the finest bulb production. It is here that we purchased our farm, "Gladland Acres."

QUANTITY DISCOUNTS

Less than 10 of a size and variety take the "each" rate.

10 to 100 quantities of same variety take a 20% discount.

100 or over of same variety take a 36 % discount.



From this field (photographed July 14) we will harvest in October about 2,000,000 bulbs. This is about one-third of our acreage this summer. Our average stand is 20 bulbs to the foot. Planting was made from mid-March to mid-April, using 1 qt. of bulblets to 160 lineal feet of row.

Average germination was 3000 per qt. Water for irrigation is available at all of our fields. As we plant a crop of gladiolus not oftener than once in 5 years on the same ground, much of our crop is grown on leased bottom land along the Santiam River. This field is on our own Bulb Farm.

AN AERIAL VIEW OF OUR GLADLAND TRIAL GARDEN



Our 1947 garden is a plot 110 by 135 feet. The entire space is planted in rows 24 inches apart. The number of bulbs in the garden is approximately 18,000, with a value in excess of \$20,000. About 400 of the 500 varieties we are growing this year are new and recent introductions, including some trial seedlings, which we are growing side by side with our best varieties of proven merit, so that we may have a yard stick of comparison. We use no fertilizer, a minimum of water, and no fungicide dips or sprays, as we want to know exactly how disease resistant these new varieties prove to be.

Naturally the value of such a test garden is dependent on our records of performances, and there are days when little time is left to do anything but make notes. This data, plus the records of our field plantings, is invaluable in our efforts to keep Gladland varieties definitely superior ones. As soon as they satisfy us that they are worthy of inclusion in our list, we begin an intensive propagation program and as rapidly as we can absorb the initial investment, which in the case of many of the newest bulbs, is quite extensive, we begin to bring the price level down until finally as with "Ethel Cave Cole," it reflects only the labor cost of production.



L. R. LANGWORTHY & BUTTERSCOTCH

Butterscotch

A 1948 GLADLAND ACRES
INTRODUCTION

Originated by L. R. Langworthy
of Van Nuys, Calif.

A warm, bright pastel in a new shade—
Indian Yellow overlaid with Chinese Coral
on petal margins and in throat. Class 530.

The type is formal. 18-20 buds; height in
field 60 to 63 inches; flowerhead 28-30
inches; floret 6-7 inches. Opens 8 to 10;
withstands heat better than average. Mid-
season blooms with Picardy or a little ear-
lier. In a letter written July 17th, Mr. Lang-
worthy says: "Just cut some spikes this morn-
ing for a Van Nuys florist—these were grown
from bulblets."

In the Southern California Glad Society
show this June in Pasadena Butterscotch
won the Champion Seedling award, and in
so doing took the N. E. G. S. and S. C. G. S.
special ribbons and the Dr. Evans Perpetual
Trophy. Butterscotch also won the medal of
Sunset Magazine for best California seed-
ling.

We expect to introduce in 1949 another Langworthy origination. This will be reg-
istered as "Indian Summer." It is a class 90, but we keep the accurate color description
as a surprise. Mr. Langworthy has authorized us to give to each purchaser of "Butter-
scotch" this season, a bulb of "Indian Summer" which will be sent with your bulb or
bulbs of "Butterscotch." We hope that each one of you who receives this bulb will report
your candid opinion of it, as soon as it blossoms for you next summer.

Exhibit Butterscotch in the shows next summer. We will give \$5.00 value in "But-
terscotch" bulbs for each blue ribbon won in the gladiolus shows of 1948.

After the show we drove out to Van Nuys to the glad field of Mr. Langworthy. A
block of 10,000 of Butterscotch was something to rave about, although he had kept the
block cut clean until show date to supply florist trade who were paying a premium for
this variety. A strong, vigorous grower, true formal in type, with fine placement and
attachment, it was not surprising that these traits, combined with its appealing color
made it a florist favorite.

The stock was adequate to permit low introductory prices.

Large, each \$1.25 — per 10 — \$10.00 Medium, each \$1.00 — per 10 — \$8.00
Bulblets, 10 for \$1.25 — 100 for \$10

By checking advance sales we are able to predict that "Butterscotch" will be the
most widely distributed 1948 introduction. More than one-third of our customers include
"Butterscotch" in their list.

APRIL

A 1948 GLADLAND ACRES INTRODUCTION

Originated by Dr. Chas. M. Evans

Los Angeles, Calif.

Color is distinctive—a cool, pale peach (Class 430), self color except for a faint throat line. Seedling of Magna Blanca X Seedling DO7. Informal type, triangular florets; 18-20 buds; flowerhead 26-28 inches; field height 64 inches. Floret size as given by Dr. Evans 4½ inches — however, in our test garden the lower florets measured 6" from large bulb. Blooms mid-season about 6 days ahead of Leading Lady. Opens 5 to 6, with 4 to 5 buds in color.

The photograph shown is of Dr. Evans and April, blooming from bulblet. This was 59" tall. Note vigorous leaf growth. For photograph of specimen spikes, see Page 31.



We were enthusiastic when we saw this seedling in the S.C.G.S. Pasadena Show in June. We were really excited when we saw it in Dr. Evans' garden the following day, and also when we saw it in the field both grown from bulb stock and bulblets. The growth is strong and vigorous, foliage heavy and deep in color. Spikes tall and willowy and straight. Growth was not as tall in our test garden but with us it stood 6 inches taller than Leading Lady.

April was runner-up for Grand Champion seedling spike at the Southern California Glad Society show this summer. Had the show been held a few hours earlier it could easily have won. Two wilting lower florets were a handicap. Later at the Fuchsia Show in Los Angeles, in a special glad exhibit, the visitors voted it a 7 to 1 favorite.

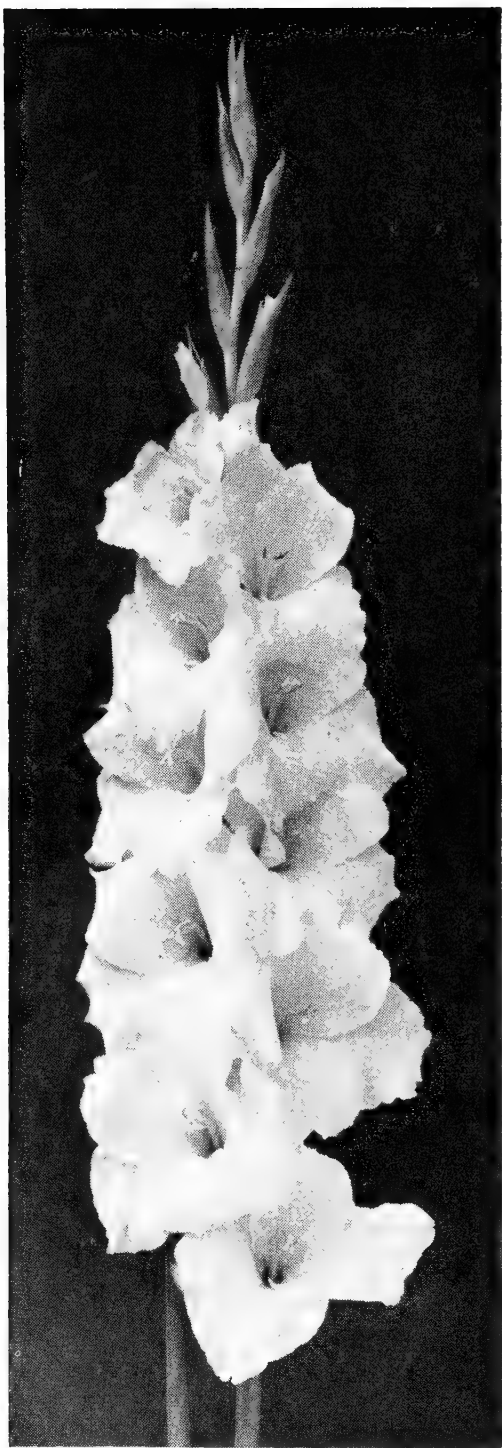
Fortunately it has been time tested and stock available is ample to permit a low introductory price. Bulbs available in both large and medium sizes, together with bulblets.

Exhibit "April" in the shows next summer. We will give \$5.00 value in "April" bulbs for each blue ribbon won in the gladiolus shows of 1948.

RETAIL PRICES

Large, each \$1.50; per 10 — \$12.50 Medium, each \$1.00; per 10 — \$8.00

Bulblets, per 5 — \$1.00; per 100 — \$16.00



SNOW MAID

Snow Maid

A WHITEST-WHITE GLADIOLUS SURE TO
BECOME A GREAT COMMERCIAL
VARIETY

SNOW MAID (F. C. Cave 1948) A white of medium size, possible a small 400 or giant 300 class, but exactly right for the cut-flower grower. Certainly one of the whitest whites now obtainable, and truly remarkable for its consistent performance, an attribute indispensable for the commercial grower. A field row of this will produce uniformly straight spikes, blooming at same height and same time from bulbs of same size and age. In color it is truly snow white, with no tinge of the cream that has characterized so many of the so-called whites of recent years. It can open 11, but eight open is habitual; it can be grown with 30" flower head but 24-26" is more nearly its normal performance. It is amply tall, about 52 inches in the field without forcing. It makes a spike of definite decorative quality, and the facing and spacing of the florets are exceptional as shown by our reproduction of a field grown spike. Proportion is good and whiteness is outstanding. Opens florets to the very tip, stands heat well, and growing habits are exceptional, with foliage of deep green.

To those of our amateur customers who demand giant size as the first requisite of a Gladiolus, SNOW MAID will not appeal, but to those who are intrigued by clarity of color, by style and dignity, and who have the flair for creating artistic arrangements, you will revel in its quiet beauty. This is another variety that has been adequately tested.

To the 1500 commercial growers who will receive this catalog, we strongly urge you to get your start in SNOW MAID now, while it is still new. Our growers unit (only 12 available) is offered on Page 10.

Snow Maid is a variety that has also been grown by Dr. Graff — and he commends it. The bulb stocks that we offer of both Snow Maid and Mary Odell are grown in the northwest and have all of the vigor and health that growth in this section seems to produce. Dr. Graff will list both of these — and in part at least from eastern grown stock, for those who prefer eastern bulbs.

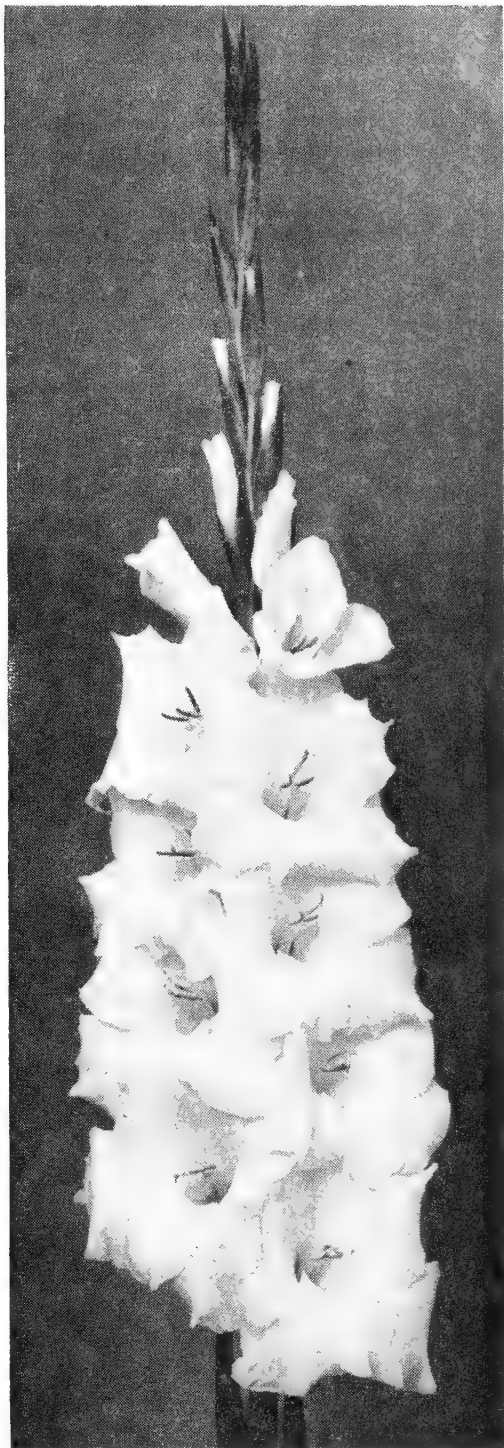
Price Each: Large \$3.00; Medium \$2.50; Small \$2.00. 10 Bulblets \$3.00

Per Ten: Large \$24.00; Medium \$20.00; Small \$16.00. 100 Bulblets \$24.00

Mary Odell

MARY ODELL (F. C. Cave 1948) Class 400, early mid-season. One glance at the photographed spike of this superlative white, will indicate why we rate it so highly, and you can grow it just as well because it is so consistent in performance. Named Mary Odell in honor of Mrs. James H. Odell, whose husband has done so much to promote interest in Gladiolus culture, and who has assisted so greatly in building the New England Gladiolus Society to a field that is both National and International in scope. It seems to us most appropriate that Mr. Cave should thus express his appreciation of time and energy that has been given so freely by James Odell to advance the progress of the Gladiolus Industry.

The growth is vigorous, so vigorous that it requires deep planting to obtain the firm footing required to hold it. The foliage is a heavy dark green, and it seems to be disease resistant to a high degree. Be sure to note the photograph of a basket of MARY ODELL as pictured in the 1948 NEGS YEAR BOOK. The flower head is 26-30," with 20 to 26 buds of which it opens ten wide with 4 more in color. The placement is near perfect and so correctly spaced as to give the spike a most appealing effect. Opens well when cut in tight bud and keeps better in water than most. Dr. Graff who has been testing this for three years, reports that bulblets were plentiful and germination good and that cracked bulblets bloomed profusely in September. He uses an adjective that impresses us greatly when he states "it produces **precision** spikes, up to 60 inches in height in the field," because this so well describes a typical characteristic of this fine release. Tom Manley, who grows many of the new ones prior to actual introduction, lists MARY ODELL in his preference list of whites for the eastern area.



MARY ODELL

The price is lower than previous Cave releases — simply because it has been longer under test and stocks are more plentiful — altho not TOO plentiful as we have only enough bulbs to provide 1 bulb for every third person who receives this catalog. Growers units (only 16 available) are offered on Page 10.

Price Each: Large \$3.50; Medium \$3.00; Small \$2.50; Bulblets, 10 for \$3.50

Price per 10: Large \$28.00; Medium \$24.00; Small \$20.00; Bulblets per 100, \$28.00

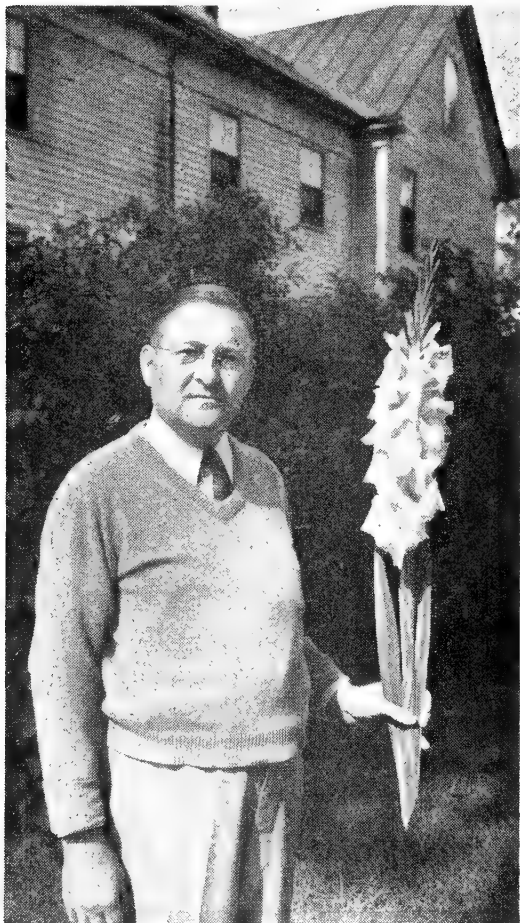
GLADLAND ACRES OFFER GROWER UNITS OF THEIR FOUR SENSATIONAL 1948 INTRODUCTIONS

Each of the Gladlands Acres Quartet of 1948 Introductions have the qualities required for a gladiolus in the commercial cut flower field. **FIRST:** Vigor of growth; ample height in field, adequate spike length; strong, straight stems; high disease resistance; consistent performance (that is — bulbs of given size and variety bloom uniformly as to height, time, length of flowerhead). All produce bulblets in ample quantity, that germinate well, and make such sturdy growth that many bloom from bulblets. All are in the early mid-season class as to blooming time.

SECOND: The colors of BUTTERSCOTCH and APRIL are distinctive and alluring and of the shades most in demand by florists. The white of SNOW MAID and MARY ODELL is clear without creamy tints. Placement and spacing are excellent in all.

THIRD: Introductory prices are low enough that the grower can afford to get them while they are still new. Small bulbs of Butterscotch and April are offered only in the Grower Units.

BUTTERSCOTCH — 10 large; 25 medium; 100 small; ½ pint bulblets.....	\$ 93.75
APRIL — 10 large; 25 medium; 100 small; ½ pint bulblets.....	120.00
SNOW MAID — 25 large; 25 medium; 25 small; ½ pint bulblets.....	125.00
MARY ODELL — 5 large; 10 medium; 20 small; 200 bulblets.....	100.00



MR. ANDREWS with GRAND FINALE

Grand Finale

A 1947 GLADLAND ACRES
INTRODUCTION

Originated by W. S. Andrews
of Maine

Color is clear warm pink, with two small red feathers on lower petals extending half way from throat to tips. Formal type; 5 inch slightly frilled triangular and wide open florets; 21-22 buds. 8-10 florets open, 7-8 showing color. Flower head 25 inches; height in field 54 inches. Bulblet production and germination good. Blooms in about 95 days. Foliage sturdy blue green, straight flower stem, stalks uniform, and is one of the best when it comes to opening in water. Not only has what it takes to make a specimen exhibition spike for the flower show, but it would seem to have all of the attributes needed for the commercial cut-flower grower. Class F430.

GRAND FINALE performed wonderfully in our test garden this summer and although we had only No. 5 and 6 bulbs left to plant showed clearly that it is as good in Oregon as it is in Maine.

Unfortunately half of the bulblets and bulbs that Mr. Andrews sent us for growing were frost damaged in shipment, so stock is very short and the price of \$5.00 per bulb, any size, will have to be maintained for at least one more year. **Bulblets, each 50c.**

1948 CO-INTRODUCTIONS

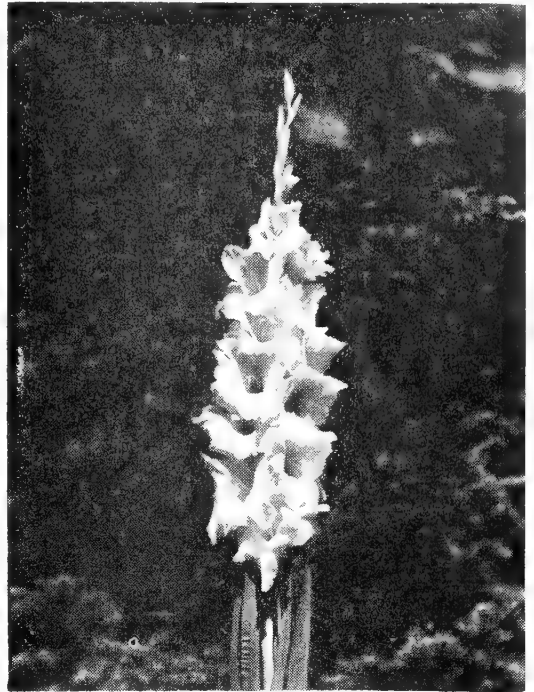
We list only a very few of the 1948 introductions offered by other firms. We have grown none of these in our trial garden, consequently we offer only those in which we have such confidence in the hybridizer that we have every belief that they will measure up to the high standards of their former introductions.

Evangeline

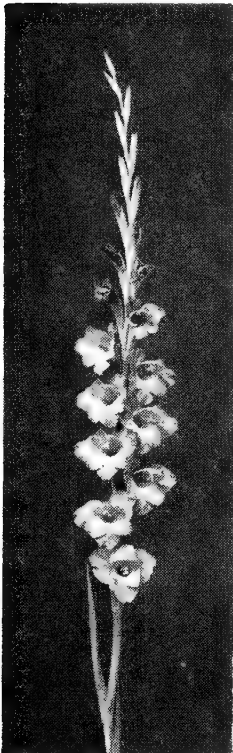
(Palmer 1948) Class 560-i
(Description by Elmer Gove)

EVANGELINE (Greta Garbo X Elizabeth The Queen) Large ruffled light rose with cream yellow throat. Late midseason. Grows up to 5½ feet or more with a strong straight stem and heavy foliage. Opens up to 12, with 18 or so total buds. Very strong grower from bulblets, about every one of which germinate and make large growth. A very beautiful variety that has won many prizes the past two years. Fortnam says it is the best variety he ever grew.

Price \$10.00 each for any size, but no bulblets this year. Can furnish bulblet grown bulbs for those who desire them.



EVANGELINE



ARIA

ARIA (C. F. and D. J. Kuhn 1948)
(Description by Kuhn)

ARIA (Nadia X Cardinal) 1-242. Early. Deep pink with light cream throat and mid-ribs. A small-flowered variety that performs like a grand champion. 50" tall, 20 buds, eight 3" florets open, 6 or 7 in color. As a seedling it won Award of Merit in 1945 at Detroit, the Honorable Mention Award of the Massachusetts Horticultural Society in 1946 at Boston, best seedling in its section at Cleveland, and the American Home Achievement Award in 1947 at the Michigan State show in Ann Arbor. Strong straight grower. Good propagator.

Large, \$3.00 — Medium, \$3.00 — Small, \$2.00
Bulblets, each 30c — 10 for \$2.40 — 100 for \$20.00

ANTIETAM (E. B. Snyder 1948) Class 454
(Rewi Fallu X (Vagabond Prince X Beacon)
(Description by E. B. Snyder)

A beautiful deep glistening red with black marbling effect. Same shade as Rewi Fallu but has a more velvet-like appearance. Opens 8 good facing, well attached 4½" florets with good substance on a 20-bud, 24" flower head with balance of buds showing color; medium stiff steel-like spike growing 60 inches or more tall. Produces large amount of bulblets which germinate easily making healthy bulbs. Blooms in 85 to 90 days.

PRICES DURING 1948 and 1949

Bulbs each, Large \$3.00; Medium \$2.00; Small \$1.50. Bulblets, each 30c; 10 for \$2.40



GOLD MEDAL

Gold Medal

(F. Beardmore) formerly seedling No. 42-06
Class 512-f

(Description by Krueger)

A giant glad in the yellow color class is startling news, and Gold Medal is an appropriate name for this first representative of such size in this color group.

Gold Medal is, in my opinion, a yellow, with buff tones particularly in the upper throat area, and petal edges. Some people may differ and wish to classify its color as buff. I am certain that no difference of opinion will exist as to its beauty, for the giant florets 5¾" to 6¼", with their heavy substance and fine ruffling, when grouped in 6 to 8 open clusters on a spike, make it a truly beautiful glad, and one that is easily remembered. The flower head attains a length of 20 to 24 inches on a long stem. The plants grow to a height of 48" and the spike towers up to 65" or more.

Gold Medal blooms in about 80 days. It produces a goodly number of bulblets that germinate readily. It opens its blooms to the tip, and opens florets from a bud cut.

Gold Medal is not perfect, for a small percentage of misplaced florets result, and a few crooks out of a hundred may be expected.

Price each bulb, Large \$5.00; Medium \$4.00; Small \$3.00

No bulblets for sale this year.

RELIANT (Krueger) formerly seedling No. 667-23 Class 500-f

(Description by Krueger)

The giant of all gladiolus, in plant, in floret size and in bud spikes. These traits make Reliant a must purchase for all hybridists. Since Reliant is of white color, (with a warm glow in the throat resulting from a cream throat blotch and faint tan spear) obtaining seedlings in other color classes is not difficult. Its parentage is Criterion crossed on a seedling segregated from an open pollinated Maid of Orleans.

The florets of Reliant are 6" or more in diameter. It opens 6 to 8 florets on a bud spike of 24" to 36" length (depending on moisture) which carry up to 24 buds. It grows to a height of 60." Season: late, blooms with Betty Nuthall.

No glad is more capable of impressing the viewer than Reliant.

Price each bulb, Large \$3.00; Medium \$2.00; Small \$1.00. 10 bulblets for \$3.00

EUREKA (Chemar-Fairweather 1948) Whitest of Whites Class 500-i

(Description by James Marsh)

Hailed by both amateur and professional alike, Eureka is truly the outstanding of all white sports of Picardy. A strong, vigorous grower, Eureka thrives under normal field conditions. Tall, free of crooks, with well attached florets that do not rain-spot, Eureka is tops in commercial whites. Its exceptionally strong substance and its ability to open after being cut tight makes Eureka ideal for cut flowers.

Each, Large \$3.50; Medium \$2.50



OREGON ROSE

Originated by Grant Mitsch from an open pollinated seed from Picardy, he thought so little of it that he did not introduce it. Paul Brandon, who saw it and liked it, persuaded Mr. Mitsch to allow him to release it in 1938. The original seedling was on the short, stubby side, but thru a constant process of selection, the height is increasingly taller, although there is still a tendency for occasional bulbs to revert back to the short head with low height. Our first experience with Oregon Rose was in Oklahoma and Kansas, where for us it proved the only rose-colored glad to open well in the midsummer heat of the prairies. When we found a substantial quantity of the bulbs in the Grant Mitsch stock, we were delighted as we felt it would be in wide demand when better known. Our own experience with it proved to us that it was a florist flower — unsurpassed for making sprays and arrangements. It

opens 10 to 13 florets easily, has remarkable texture, keeps well in storage, and has a color appeal that to those who like the rose shades, is well nigh irresistible.

We did not think of it especially as a show flower hence its remarkable record this year was actually surprising to us. Reported winnings were in Canada, Maine, Massachusetts, Pennsylvania, West Vo., Iowa, Oklahoma and California.

Three grand championships — one each in baskets, 3 spike, and single spike; 8 blues in single spike class; 2 blues in 3 spike class, plus blues for baskets and arrangement.

Biggest win was by Chuck Ruble who won 2 grand championships in the same show — one in 3-spike class — one in single spike class at Sioux City, with 13 florets open.



Most remarkable win was by Sid Pickup, who had only 25 Gladland grown bulbs but who, assisted by Mrs. Pickup, won blues in single spike, 3-spike and basket, which latter was also grand champion basket; plus a second award in a basket which was penalized for not having enough spikes. (These awards in three different shows at Winnipeg, Canada and vicinity.

Photo at left is that of Sid Pickup of Winnipeg, whose remarkable winnings are enumerated in the preceding paragraph.

Best reported spike was grown by W. J. Raison of Edmonton, Canada. Height in field 67"; flower head 31" — 21 buds, 12 open, 4 in color — floret size above 5 inches.

NEW AND RECENT INTRODUCTIONS

The Varieties listed in our 1948 catalog, are our choice of the varieties produced by more than 80 hybridizers, working throughout the world. It is our selection of their outstanding creations, which possess potentialities for the production of near perfect blooms, coupled with the stamina and vigor that Oregon growing can impart to the dormant bulb, that give us reason to label our bulbs — SUPERIOR GLADS.

Because we feel that the deserved popularity of the Gladiolus is due in great measure to the phenomenal improvements achieved in the recent past; which accomplishments, great as they are, we believe will be many times surpassed in coming seasons, we are glad to give the plant breeders deserved honor. In all of our listings we credit the originator. These that we list, are their outstanding contributions to gladiolus improvement as we have evaluated theme here at Gladland Acres.

THE GLADLAND 1948 OFFERINGS ARE GROUPED BY COLOR CLASSIFICATION

See Page 28 for beginning of this grouping.

See Page 52 for Complete Alphabetical Index of Varieties.

We feel that in a list as comprehensive as we offer that this would make it much easier for you to make your selections in that you could quickly check all varieties in the color classes in which you might be especially interested. We also list the name of the originator and the year of introduction, and in every case where the year is earlier than 1940, we feel that it has merits that make it worthy of inclusion in any garden and in any company.

COLOR AND SIZE CLASSIFICATION

By using classification numbers we can convey in the space of a single line, nearly all of the information usually presented in several lines of a catalog.

For example: "WHITE GOLD" (506), the first figure "5" shows it is in the Giant class with florets larger than 5½ inches across, the second figures "06" show it to be a cream and our four word description "Huge cream, gold throat" conveys the rest of the picture as actually the florets often measure 7½ inches, hence the "huge," and the gold throat is a distinctive feature of this outstanding variety. The letters "i" or "f" preceding the variety name indicate that the spike is informal (decorative) or formal (exhibition) in type. If ruffling is a pronounced feature of the flower it is so noted in the description, otherwise the petals are usually smooth.

CLASSIFICATION NOTE

The number before the name of the variety denotes the classification number as they are classified in our gladiolus shows at the present time. They are classified in five sizes as follows:

- 100 Miniature Glads — Florets under 2½"
- 200 Small Glads — 2½" through 3¼"
- 300 Medium Glads — 3¼" through 4¾"
- 400 Large Glads — 4½" through 5¾"
- 500 Large Glads — 5½" or larger

Class

- 00 White 00 without conspicuous marking
- White 01 with conspicuous marking
- Cream 06

- | | |
|--------------------|-----------------------------|
| 10 Yellow | 10 (Light |
| Yellow | 12 (Deep) |
| Buff | 16 |
| 20 Orange | 20 (Light) |
| Orange | 22 (Deep) |
| Orange | 24 (Red Orange) |
| 30 Salmon | 30 (Light) |
| Salmon | 32 (Deep) |
| Scarlet | 36 |
| 40 Pink | 40 (Light) without markings |
| Pink | 41 (Light) with c. markings |
| Pink | 42 (Deep) |
| 50 Red | 50 (Light) |
| Red | 52 (Deep) |
| Red | 54 (Black) |
| 60 Rose | 60 (Light) |
| Rose | 62 (Deep) |
| Lavender | 66 |
| 70 Purple | 70 |
| Violet | 76 (Light) |
| Violet | 78 (Deep) |
| 80 Smoky Shades | |
| Smoky | 82 (Orange Smoky) |
| Smoky | 83 (Salmon Smoky) |
| Smoky | 84 (Pink Smoky) |
| Smoky | 85 (Red Smoky) |
| Smoky | 86 (Lavender Smoky) |
| 90 Any Other Color | |

NOTE: Ending odd numbers always denote conspicuous deeper markings in addition to normal color shade. Example, Big Top (541) is a light pink with conspicuous carmine throat. Even numbered varieties may have such markings, especially in the deeper color tones, but for the most part are solid colors.

PREFERRED GLADIOLUS VARIETIES AS SELECTED BY GLADIOLUS EXPERTS

We are attempting to make our catalog a source of reliable information — to include as far as we possibly can, such data as will aid the Gladiolus buyer to select those varieties most apt to produce fine spikes in his locality. FIRST, we include in our listings only those varieties which we know by experience are capable of fine spikes as we grow them at Lebanon, and SECOND, to give you our honest opinion as to those of this long list that seemed outstanding.

Even with our prolific varietal testing, there are many introductions that we have thus far failed to grow — some that have proven of exceptional worth in the experienced hands of expert growers in other sections. For this reason, this year we are publishing for you, preference lists of some of the outstanding growers and judges of super glads, located in the varied sections where we could find qualified judges to furnish this data. These lists have not been edited by us, and were prepared by each as his honest and candid opinion of the varieties as he has seen and grown them in his area. It was our thought that the novice in the great game of growing glads, bewildered by the many hundreds of varieties offered by the various catalogers, and at a loss to know just what to order, might find a preference list as selected by some authority from his own section, whose choices, if planted by him, would produce much better than mediocre flowers.

To the advanced fan we know that the lists will prove of keen interest, and the presentation of a dozen of these for comparative study from almost every important area, where glads are deemed an essential flower for garden and home, will provide, we think, some interesting hours for many of our readers. The omission of Florida, Tennessee, and other states of the central and eastern southland, was not our intention. We have a list of customers in these states who have more than speaking acquaintance with Gladiolus Varieties. But in these states, whether from shyness or simply lack of time, we failed to secure from our correspondents the data we wanted to have for you.

We, of course, have every confidence in the qualifications of those who have provided these lists for us and for you. You will find in them a number of kinds that we are not cataloging. In most cases we are growing them, but either in too small quantity to list, or in some cases, as yet as grown by us they have not fully convinced us of their value. Most of them we can furnish on request at the prices being quoted this year by the introducer.

It is interesting to note how universal are the choices in these lists of some varieties as "Leading Lady" which have had country wide distribution. Proof positive that Glads are the most adaptable of all flower species grown in the garden. Whether Canada or the deep South, the Central Plains states, or the Atlantic and Pacific coasts — they thrive, they bloom, and constantly make new garden glad fans.

The list of contributors to this new feature of our catalog:

- C. D. Fortnam — Glads for Show Competition
- Al Amsler — Glads for Iowa and North Central States
- W. S. Andrews — Glads for Maine and Northern New England
- Paul V. Baker — Glads for Oregon and the Northwest
- Alfons Bazdorf — Glads for Metropolitan New York Section
- Jess O. Boyer — Glads for Washington
- Dr. Chas. M. Evans — Glads for Southern California
- N. H. Lines — Glads for Idaho and the Mountain States
- Tom Manley — Glads for Ohio, Pennsylvania, West Virginia
- Mr. and Mrs. Geo. Morrow — Glads for Oklahoma
- W. J. Raison — Glads for Alberta, Canada
- W. W. Woods — Glads for Ohio

GLADS FOR SHOW COMPETITION

Clarence D. Fortnam of Tyler Hill, Pa., reports on "Glads for Show Competition" as he has grown them in Pennsylvania. All of you will study his list with keen interest as he has firmly established a national record for exhibiting prize winning spikes. We do not believe that any exhibitor, either amateur or professional (Mr. Fortnam is in the Amateur Class) has ever in the past, nor can in the near future, even come close to his sensational record. As manager of the great Binghampton International show, he has exceptional opportunity to check the merits of almost every recent variety. Naturally his list, with very few exceptions, are quite recent introductions. Some, as White Christmas and Evangeline, are only being formally released in 1948. In his list we arrange in Color Classes only, without size designation. For the most part they are in the giant 500 sizes.

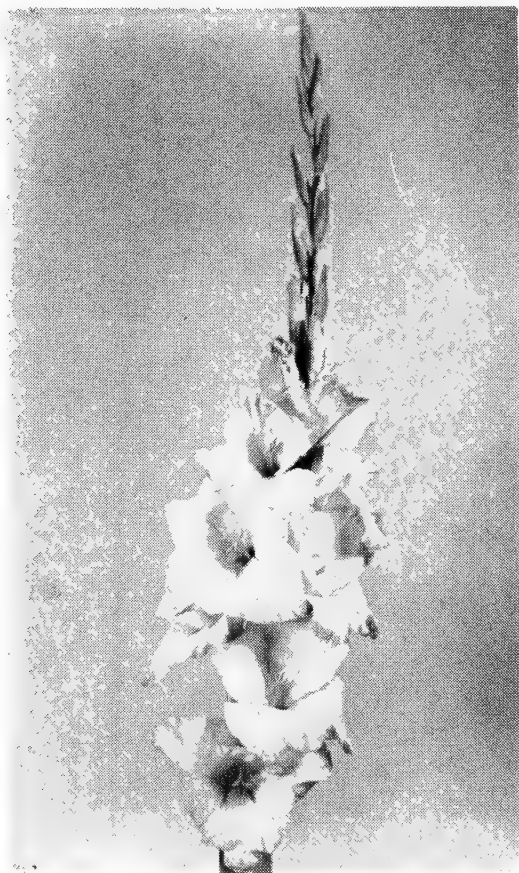
WHITES — Immaculate, White Christmas, Anna Buchanan, Florence Nightengale, Texas, White Challenger, Wax Model, Fair Angel, Mt. Index.

CREAMS — Leading Lady, Oriental Pearl.

YELLOW — Kathy Lee, Coventry, Gold Medal, Klondike.

BUFF — ORANGE — Sun Spot, Sunlight, Janet Lee, Sunset Orange, Daisy Mae, Larime.

PINK & SALMON — Evangeline, Spic & Span, Phantom Beauty, Summer Gal, Cleo, Personality, Pink Charm, Conn. Yankee, Hearts Desire, Yankee Lass.



ROSE O' DAY

RED & SCARLET — Red Wing, Black Cherry, Hiawatha, Firebrand, Red Charm, War Paint, Birch Red, Algonquin.

ROSE — Topflight, Astrid, Burma, Miss Wisconsin.

LAVENDER — Lady Marian, Sibony, Spring Song, Temptation, Crown Orchid, Myrna Fay, Fuchsia Queen.

VIOLET & PURPLE — Blue Ice, Blue Lagoon, Mary Wayne, Purple Supreme, Porcelain Blue, Blue Beauty.

SMOKY — Oklahoma, Storm Cloud, Message of Song.

GLADS FOR IOWA AND THE NORTH CENTRAL STATES

Al Amsler of Sioux City, Iowa, reports on Glads for Iowa and the North Central States. Mr. Amsler has a wide and practical knowledge of Gladiolus performance, and has been one of the judges in many of the North Central States shows. Mr. Amsler notes, "I have made this list from my records made up during the blooming season and at glad shows I have judged. I have omitted sizes and classes where I have not grown enough of such classes to have formed an opinion for such a list as this."

LARGE: 400 Snow Princess, Snow Sheen; 401 Silver Star; 406 Vee Cream, Pacifica; 410 Oregon Gold, Gleam, Crinkle Cream; 412 Spotlight; 416 Susquehanna; 420 Lantana; 422 Cracker Jack; Marqueta; 424 Gratitude; 430 Beauty Clinic; 432 Spic & Span, First Lady; 436 Valeria; 440 Ethel Cave-Cole, Capeheart, Variation; 442 Daisy Mae; 452 Kenwood, Stoplight, Red Charm; 460 Miss Wisconsin, Sioux City Sue; 466 Badger Beauty; 470 Purple Supreme; 476 Blue Beauty, Blue Lagoon; 480 Beltrami; 490 Oklahoma, Charlotte Ann.

GIANT: 500 Casablanca, Texas; 501 Silver Wings; 506 Leading Lady, Lake Placid, White Gold; 510 Discovery; 516 Dr. Whiteley; 522 Tuts Both; 530 King William, Picardy, Victory Queen; 536 Algonquin; 540 Stella Antisdale; 522 King Klick; 554 Black Panther; 560 Sensation; 562 Burma; 566 Elizabeth the Queen; 570 Parnassus; 580 High Finance, Xerxes; 590 Misty Dawn.

GLADS FOR MAINE & NORTHERN NEW ENGLAND

Mr. W. S. Andrews of Waterville, Maine, reports on "Glads for Maine and Northern New England." Mr. Andrews is the originator of "Grand Finale" which we introduced last year and feature again this year. He edits the Maine Gladiolus Year Book which, to our way of thinking, is the best state society year book published, and is worth anybody's dollar, which is all that the annual dues of this fine society are. Mr. Andrews comments:

"I have given those varieties that I know to be good, and that are really popular here, or, at least, especially in the case of some of the new ones, real comers. It so happens that I have a fine source of information for such a list as Mrs. Andrews and myself have all the work on the Maine gladiolus variety rating system, so we have a first hand idea as to what folks favor, and as what varieties are doing well, in these parts. I have tried not to be biased, as, if I had, I would have included a few varieties that I am very fond of personally. However, I shall admit that this list is made up of some

of the best varieties known, or in commerce, today. People in this part of the country go big for the varieties listed, and, personally, I think it is a fine list.

"In this list the varieties are shown in order of general preference, that is, so far as I could determine, and I don't think I am out of the way very much. Grand Finale is shown at the end of the list of Light Salmon glads only because it is still new and hasn't had a chance to make a name for itself.

"There are other popular glads, and glads that are grown considerably in these parts, but I have tried to give you the real headliners. As mentioned above, this list is not one man's opinion; it is the averaged opinions of many, and it pretty much represents the picture here, that is, from where I sit. I have used the accepted classification color designations, not my own, as I wouldn't designate them this way. But, I shouldn't kick as I don't know exactly how I would line them up. I don't get the idea of light red and scarlet as two different colors, and I don't get the idea of some smokies listed under A.O.C. Sahara is a smoky, to me. Leading Lady, Red Charm, Burma, and Elizabeth The Queen are enjoying tremendous popularity in this part of the country. It is interesting, however, to see old Minuet and Margaret Fulton, yes, even Picardy, still hanging on; yea, and Mother Machree. Bit O' Heaven is not very new either. Oregon Rose is showing a sudden increase in popularity; it was excellent here this year. The only one I really have my fingers crossed on is Abu Hassan. Snow Princess seems to be right now the leading commercial white, that is, here in the Northeast."

W. S. ANDREWS.

Giant and Large

WHITE — Snow Princess, Silver Wings, Texas.

CREAM — Leading Lady, Corona, Lady Jane, Oriental Pearl.

YELLOW — Spotlight, Mother Kadel.

BUFF — Arthusa.

ORANGE — Bit O' Heaven, Orange Gold.

LIGHT SALMON — Picardy, Glamis, Jeanie, Grand Finale (Maine grown only).

DEEP SALMON — Spic & Span, Margaret Fulton, Aladdin.

SCARLET — Algonquin, Rocket, Valeria, Beacon.

LIGHT PINK — Rosa van Lima, Greta arbo, Ethel Cave-Cole.

DEEP PINK — Pandora, Summer Gal, Rosy Morn (Riley).

LIGHT RED — Mid-America, Ohio Nonpareil.

DEEP RED — Red Charm, King Click, Stoplight.

BLACK RED — Black Opal, Mohawk.

LIGHT ROSE — Miss Wisconsin, Chaumony, Dawn Glow, Rose O' Day, Oregon Rose.

DEEP ROSE — Burma.

LAVENDER — Elizabeth the Queen, Lavender Queen, Minuet.

PURPLE — Purple Supreme, King Lear.

LIGHT VIOLET — Blue Beauty.

DEEP VIOLET — Abu Hassan.

SMOKY — Mother Machree (The following come next and share about even in popularity: Flying Fortress, Tunia's Mahomet, Misty Dawn, High Finance, Mrs. C. W. Gannett, Voodoo).

A.O.C.— Vagabond Prince, Sahara, Buckeye Bronze, Robinson Crusoe.

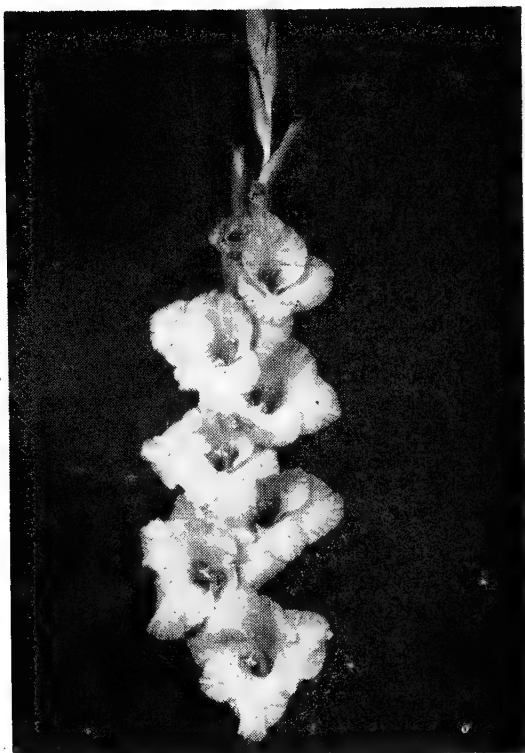
GLADS FOR OREGON AND THE NORTHWEST

Paul V. Baker of Gladland Acres, writer of this catalog, presents the list of personal favorites as he watched them flower this past summer in our test garden. We have in our files many letters which would indicate that they are also well liked in all sections of the country. There has been no effort to make a first choice — all, with us, have been outstanding.

GIANTS: 500 Lady Anne, Silver Wings, Snowflake, Texas, White Magic; 501 Mt. Index, The Bride, White Elephant; 506 Lake Placid, Leading Lady, Oriental Pearl, White Gold; 507 Corona; 510 Whiteley, Glenolden, Gold Standard; 520 Bobby Dazzler; 522-3 Chunking, Rio Rita; Tunia's Delight, Discovery, Tahlanka; 512 Golden State; 516 Dr. Tuts Both; 530 Eglantine, Marlene Both, Mrs. E. Both, Victory Queen; 532-3 Boldface, Harmau, Strawberry Peach; 536 Commando, Marseillaise, Southern Drama, Tunia's Marvel; 540 Fort Ti., Miss Vermont, Stella Antisdale; 541 Belmar, Big Top, Lavalier, New Zealand Splendor; 542 Heart String, Marlyn, Summer Gal; 543 Cherry Jam; 550 Daniel Boone, Intruder, Mid-America, Oriental Display; 552 King Click; 554 Black Panther; 560 Coutt's Orchid, Rose Ruffles, Sensation; 562 Buena Vista, Burma, Red Rose; 566 Elizabeth the Queen, Patrician, Rose O' Day, Tunia's Masterpiece; 570 Convoy, Mrs. Mark's Memory, Parnassus; 580 Car. W. Gannett, High Finance, Tunia's Mahomet, Xerxes; 590 R. B., South Seas, Tony, Tunia's Elite.

LARGE: 400 Alpine, Frilled Fragrance, Snowbank; 401 Ariadne, Bonny Jeanne, Silver Star; 406 Fair Angel, Joe Stalin, Shooting Star, Winston; 407 Vee-cream; 410 Crinklecream, Gleam, Ophir, Oregon Gold; 412-3 Mother Kadel, Spotlight, Yellow Herald, Yellow Ruffles; 416 Athlone, Charmoluck, Grenadier, Marimba, Sunspot; 420-1 All Glory, Dazzler, Kestrel, Lantana; 422-3 Daisy Mae, Halloween, Orange Drapery, Rio Rita; 424 Hurricane; 430 April, Geraldine, Grand Finale; 432-3 Dieppe, Genghis Khan, Spic & Span, Spitfire; 436 Errey's Scarlet, St. Edward, Valeria; 440 Dream Castle, Ethel Cave-Cole, Phantom Beauty; 441 Algoma, Bride's Delight, June Day; 442-3 Cover Girl, Geraldine, Miss Michigan, Phoebe; 450 Ardent, Navaho, Red Cherry, 452 Burgundy, Firebrand, Kenwood, Red Charm; 454 Black Magic, Mansoer, Paul Robeson; 460 Ballad, Miss Wisconsin, Tralee; 462 Diadem, H. R. Hancock, Oregon Rose, Timor; 466 Badger Beauty, Myrna Fay; 470 Concord, Lancaster, Purple Supreme; 476-8 Blue Lagoon, Porcelain Blue; 480 Carol, Intrepid, Pastel, Zuni; 490 Buckeye Bronze, Hula Hula, Robinson Crusoe.

SMALL & MEDIUM: 200 Starlet; 300 White Eagle; 210 Filigree; 310 Alchemy; 312 Van Gold; 321 Padre; 324 Orange Prince; 332 Exemplar; 236 Perky; 336 Rhett Butler; 240, Dolores; 340 Random Harvest; 342 Pink Ribbon; 150 Kewpie; 352 Ragged Robin; 354 Oeganda; 360 Siegfried; 366 Grand Opening; 370 Fuchsia Maid; 376 Shangra La; 377 Allegro; 378 Bluet, Leonardo da Vinci; 380 Beltrami, Oklahoma; 290 Pinnocchio; 390 Color Marvel, Vagabond Prince.



POET'S DREAM

GLADS FOR METROPOLITAN NEW YORK SECTION

Alfons Bazdorf of Lincoln Park, N. J. reports on "Gladiolus in Metropolitan New York Section." He states, "It has always seemed to me that any discussion of or listing of varieties should be divided into two sections: First, standard varieties which have proven consistent growers and are low priced, which list is of interest to the beginner and cut-flower grower; and, second, the promising new introductions, of interest to exhibitors, bulb growers, and the cut flower grower who wants improvements on standard varieties." Mr. Bazdorf is extremely well known in the eastern section, and is a recognized authority on gladiolus varieties and culture.

Giant and Large Standards

WHITE — Snow Princess, Parma, Pacifica, Silen-tium.

CREAM — Wanda, Shirley Temple, Corona.

YELLOW — Golden Gate.

BUFF — Buffette.

ORANGE — Marqueeta.

SALMON — Picardy, Colossus, Vista Bonita, King William.

SCARLET — Beacon, Mercury.

PINK — Greta Garbo, Pink Paragon, Candy Heart.

RED — Red Charm, Red Lightning, Mohawk.

ROSE — Frances M. Irwin, Early Rose.

LAVENDER — Elizabeth the Queen.

PURPLE — Purple Supreme.

VIOLET — Blue Beauty.

SMOKY — High Finance.

A.O.C. — Buckeye Bronze.

Giant and Large, Recent and New

WHITE — Silver Wings, Fair Angel.

CREAM — Leading Lady, Oriental Pearl.

YELLOW — Golden State, Oregon Gold, Kathy Lee, Spotlight.

BUFF — Sunspot.

ORANGE — Janet Lee, Golden Sunset.

SALMON — Pioneer, Dieppe, Capsicum.

SCARLET — Errey's Scarlet.

PINK — Fabulous, Pink Charm, Ivy Robertson, Big Top.

ROSE — Chaumony.

LAVENDER — Lavender Prince.

VIOLET — Blue Lagoon.

Smoky — Flying Fortress.

GLADS FOR WASHINGTON

Mr. Jess O. Boyer of Oak Harbor, Washington, reports on "Glads for Washington. Mr. Boyer is an amateur — advanced to the Nth degree. We believe no other amateur in the Northwest has grown so many of the new and recent introductions. Mr. and Mrs. Boyer visited our fields this past summer and their comments were most intelligent and interesting and we highly enjoyed their brief stay. We take room to print his variety comments as they definitely reflect our own impressions of these varieties. He wrote "My Choice of the present day glads by color."

WHITES: 1 **Christine**—Marble white, placement good, very good stem. 2 **Texas**—While quite new, this was fine for us this season. 3 **Cararra**—Rated right along with the above two glads and fast propagator.

WHITES WITH MARKS: 1 **Corona**—This is always a beautiful glad and easy to grow, seldom crooks. 2 **Mt. Index**—Old reliable, one of the best buys in glad bulbs. 3 **Margaret Beaton**—This is nice when well grown.

CREAMS: 1 **Oriental Pearl**—The pick of the creams for today, so far as I am concerned. 2 **White Gold**—This was the largest cream glad we grew this year. 3 **Leading Lady**—A good old stand-by that is always good.

NOTE: The above three glads are tops here in our garden and were runner-ups for best spikes in our estimation. This is, however, a strong color group and there are several good creams and near creams.

CREAMS WITH MARKS: 1 **Sir Galahad**—To me this is one of the really beautiful glads. 2 **Memoir**—A little short on the stem but truly fine. 3 **Salmans Glory**—While quite new this glad is different but very nice.

LIGHT YELLOW: 1 **Discovery**—A bigger, better, light yellow. 2 **Tahlahneka**—A good light yellow in the low price field. 3 **Crinkle Cream**—A ruffled light yellow that is very pleasing.

DEEP YELLOW: 1 **Spotlight**—A very nice deep yellow with red blotch in the throat. 2 **Golden Beauty**—We have only grown this glad one year but it is a good yellow. 3 **Golden State**—This glad has been winning at the shows and is good.

BUFFS: We like **Dr. Whiteley** and **Helen of Troy** here and you won't go wrong on these glads.

PINKS: In the 500 class we rate **Bengasi**, **California** and **Genghis Khan** in this order. These glads will speak for themselves after others have faded away. In the 400 class our choice is **Glamis**, **Jeanie**

and **Marion Pearl**. While not as large, they are beautiful varieties on their own merits.

SALMON: 1 **Ogarita** is a rose salmon with a lighter throat that was fine. 2 **Spitfire**—While not so large this glad is very attractive in the field.

LIGHT ROSE: 1 **H. R. Hancock**. In the low price field this glad is fine. Grow it once and you will always want it. 2 **Miss Wisconsin**—A new color with many open.

DEEP ROSE: 1 **Burma**—We like its deep ruffled rose red florets; it is different. 2 **Red Rose**—This is a larger, taller variety that is very good here.

ORANGE: 1 **Tut's Both**—A cool, soft orange, this is tops in the orange varieties. This and **Sir Galahad** are my choice for the most beautiful glads. 2 **Tunia's Delight**—A little darker in color and very good.

LAVENDER: 1 **Minstrel**—This is a beautiful orchid colored lavender; ruffled and lacinated florets. 2 **Patrician**—This is a new beauty in the lavender class. Very scarce as yet. 3 **Myrna Fay**—Here is a new orchid with rose throat, a beauty. **Tunia's Masterpiece**—This was good here this year, its first year on sale in this country.

LIGHT RED OR SCARLET: 1 **Intruder**—My choice of glads in this color field. Very good this year. 2 **Errey's Scarlet**—A strong growing, velvety textured glad that seldom crooks. **Commando**—A very large scarlet that is quite good; we like this one.

DEEP RED: 1 **Mid America**—While very new this is tops here in our field this year. We grew this glad with eleven blooms open and six inch florets and have photos to prove it. 2 **Red Charm**—This is an old but reliable red, very attractive. New reds come and go but **Red Charm** lives on. 3 **Ohio Nonpareil**—We like this large bright red giant of Wilson's. 4 **Firebrand** (Butts)—Tall ruffled deep red. One of the good ones.

BLACK RED: **Tobruk**—A very new black red from Australia that is fine. It is a new color all by itself. Far surpasses the rest of the black reds.

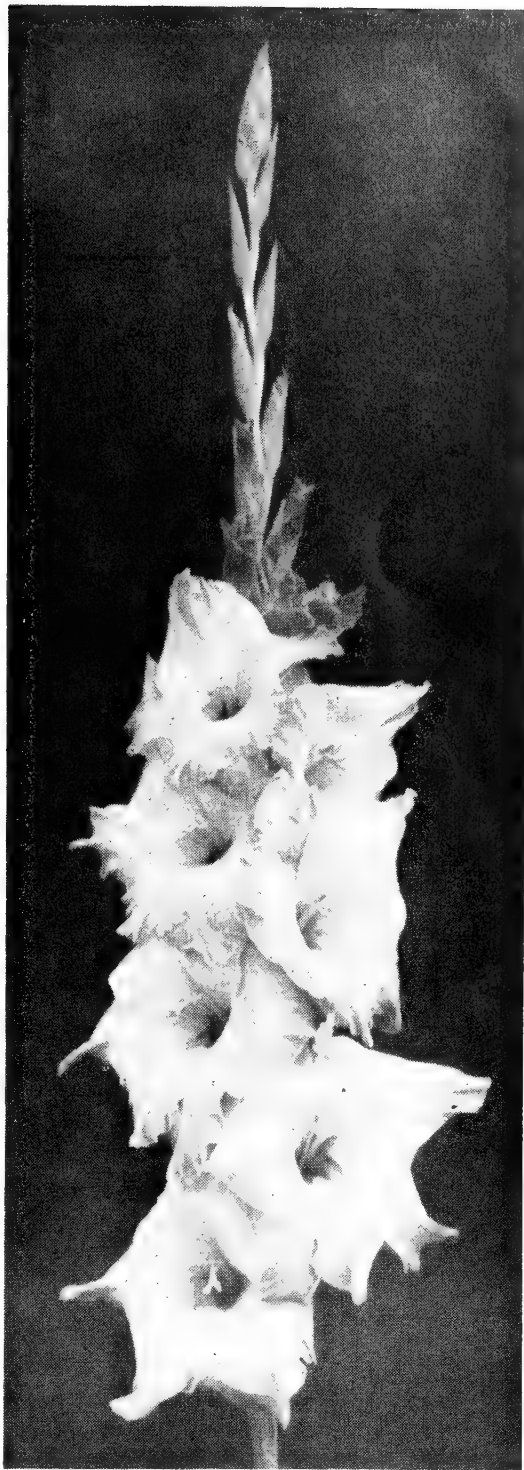
PURPLE: 1 **Mrs. Mark's Memory**—This is one of the better purples, very large blooms. 2 **Parnassus**—A good rich, dark purple with white line on lower petal.

THE BLUES: **Porcelain Blue**, **Blue Ice** and **Blue Lagoon** are my choice in a weak color class. There are many other blues but to me they lack beauty.

SMOKY: 1 **Tunia's Mahomet**—A plum colored smoky of great beauty. Very good habits, large florets on strong, straight stem. To see it is to want to grow it. 2 **Flying Fortress**—A very odd but new color in smokies. This flower seems to be a different color in different localities. For us it is a dove grey with outer edges of the florets having a brown cast or shading. The florets each have a red blotch in the throat. This variety opens many florets. 3 **R. B.**—This old reliable smoky will give you a lot for your money. Its color is a rusty golden brown on the outside of the peals or florets and a frosty sheen on the inside of the florets. Very unusual.

GLADS FOR SOUTHERN CALIFORNIA

Dr. Chas. M. Evans of Los Angeles, Calif., reports on "Glads for Southern California." Dr. Evans, originator of "April" — with more sensational



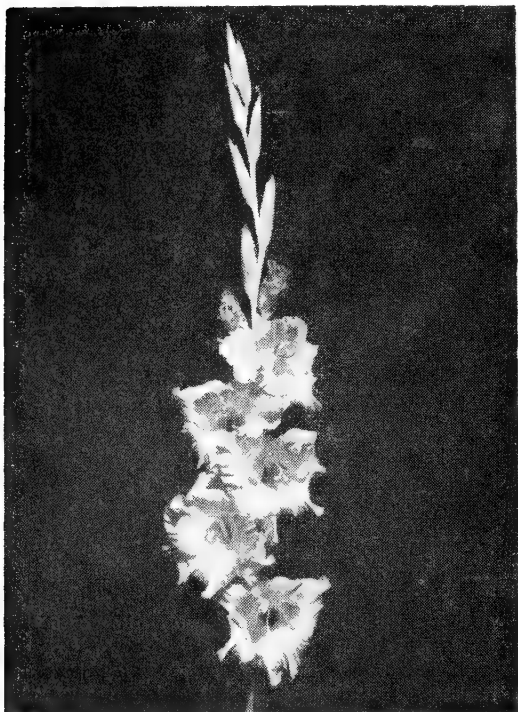
ROSY LIGHT

seedlings in his garden—is —very prominent in glad circles. Honorary Vice Pres. of N.E.G.S., writes the newsy bulletin of S.C.G.S. and is very largely responsible for its extraordinary growth. Every California Glad fan should join S.C.G.S. Dr. Evans notes, "This list is a symposium of varieties as selected by members of our society." (Note—where more than four varieties of a color class size were listed, we have deleted varieties in excess of that

number. Complete listings may be secured by those interested)

GIANT: 500 Silver Wings, Snow Cruiser, Snow Mountain, Neva; 501 Mt. Index; 506 Leading Lady, White Gold, Oriental Pearl; 507 Corona; 510 Sir Galahad; 512 Golden State; 513 Spotlight; 516 Helen of Troy, Bingo, Dr. Whiteley; 520 Bobby Dazzler, Palermo; 523 Rio Rita; 530 Bengasi, King of Hearts, Picardy, Mrs. E. Both; 532 Harmau, Marguerite; Boldface; 536 Algonquin, Walkover; 540 Grand Opera, Stella Antisdale, Big Top; 542 Cherry Jam, Summer Gal; 550 Mid America; 552 Hindenburg's Memory, Mighty Monarch, Commander Koehl; 554 Black Panther, Rewi Fallu; 560 Roseglow, Coutt's Orchid, Astrid; 566 Eliz. The Queen, Minstrel, Patrician; 570 Parnassus, Convoy; 580 Hi Finance, tunia's Mahomet; 590 R. B., Tony.

LARGE: 400 Annamae, Snow Princess, Myrna, Fair Angel; 401 Parma, Silentium, Margaret Beaton; 406 Lady Jane, Wanda, Intermezzo; 410 Crinklecream, Martha Deane, Golden Beauty; 416 Susquehanna, Buffette, April; 417 Sunspot; 420 Orange Gold, Lantana, Dazzler, Capistrano; 422 Trocadero, Diane; 424 Coral Glow, Barcarole; 430 Jeanie, H. B. Pitt; 432 Spic & Span, Spitfire; 436 Hector, New Europe, Mercury, Valeria; 440 Algoma, Ethel, Cave-Cole, Truelove, Dream Castle; 441 Invictus, Connecticut Yankee; 442 Pink Paragon, Marlyn, Peggy Lou; 443 Linda Lloyd; 450 Blaze; 452 Red Charm, Stoplight, King Click, Kenwood; 454 Maurrie Trevan, Matoaka; 460 Miss Wisconsin, Chaumony; Frances M. Irwin; 462 Burma, H. R. Hancock, Melrose, Oregon Rose; 466 Myrna Fay, Minuet, Huntress; 470 Lancaster, Purple Supreme, Concord, King Lear; 476 Blue Beauty; 478 Robert Burns, Blue Lagoon; 480 Chief Multnomah, Bagdad, Gray Dawn, Zuni; 490 Buckeye Bronze, Robinson Crusoe.



WEDGEWOOD

GLADS FOR IDAHO AND THE MOUNTAIN STATES

N. H. Lines of Middleton, Idaho, reports on "Glad for the Mountain States." Mr. Lines, who has originated the sensational "Myrna Fay" and "Diadem," outstanding releases of 1946-47, notes, "This is a list of my favorites."

GIANTS: 500 Silver Wings; 506 Leading Lady; 522 Tut's Both; 536 Red Plush; 540 Rima; 542 Marlyn; 550 Intruder; 562 Burma! 566 Elizabeth The Queen, Minstrel; 580, Tunia's Mahomet; 590 R. B.

LARGE AND MEDIUM: 400 Anna Mae; 410 Mother Kadel; 413 Spotlight; 317 Sun Spot; 420 Kestrel; 425 Larime; 430 Lois; 432 Genghis Khan; 436 Errey's Scarlet, Mercury; 440 Blessed Damosel; 452 Red Charm, Firebrand (Butt); 460 Miss Wisconsin; 462 Diadem; 466 Myrna Fay; 470 Lancaster; 476 Blue Lagoon; 378 Abu Hassan; 480 Zuni, Voodoo; 380 Oklahoma; 390 Color Marvel.

SHOW GLADIOLUS FOR OHIO, PENNSYLVANIA, WEST VIRGINIA AND SURROUNDING AREAS

Tom Manley of Wheeling, West Virginia, reports on "Show Gladiolus for Ohio, Pennsylvania, West Virginia and Surrounding Areas," has a long time acquaintance with Gladiolus varieties. He notes "I have listed them according to their value. The best is always listed first, etc. You will note that many newer ones have been omitted. This is not an oversight, but a goodly number of them are not worth listing."

GIANT: 500 Silver Wings, Carrara, Texas, Strathnaver; 501 Margaret Beaton, Margaret Barrett (401); 506 Leading Lady; 507 Salman's Glory (501); 510 Sir Galahad; 516 Helen of Troy, Glenolden (416), Bingo; 520 Bobby Dazzler, Bancroft Winsor, Chunking; 530 Picardy, King William; 532 Harmau; 536 Southern Drama, Algonquin; 540 Rima, Phantom Beauty, Lady Luck, Miss Vermont; 541 Candy Heart, Big Top; 542 Cover Girl, Cherry Jam; 550 Ohio Nonpareil, Mid America, Red Rascal; 552 Rodney, King Click; 554 Black Panther; 560 Prosperity, Topflite, Astrid, Corona, Coutt's Orchid; 562 Burma; 566 Siboney, Elizabeth the Queen, Minstrel; 570 Convoy, Crown Orchid, King Lear; 580 Tunia's Mahomet, Caroline W. Gannett, Flying Fortress; 590 Maple Leaf.

LARGE: 400 Myrna, Mary Odell, Snow Princess; 401 Silver Star, Mt. Index, Ariadne; 406 Lady Jane, Wanda; 410 Crinklecream, Mother Kadel; 412 Spotlight; 416 Sun Spot, Athlone, Buffette, Susquehanna 420 Daisy Mae, Drum Major, Orange Gold, Gratitude, Cracker Jack; 430 Marlene Both; 432 Spitfire, Spic and Span, Dieppe; 436 Tunisia, War Paint, Valeria; 440 Greta Garbo, Ivy Robertson (340), Lady Boo; 441 Lipstick, Connecticut Yankee; 442 Wings of Song; 450 Thriller, Red Lightning; 452 Firebrand, Red Charm; 454 Paul Robeson, Royal Garnet, Pruessen's Gloria, Mohawk; 460 Maxwellton, Miss Wisconsin; 462 Fuchsia Belle, H. R. Hancock; 466 Lavender Prince, Badger Beauty, Huntress; 470 Lancaster, Purple Supreme, Margaret Wood; 476 Blue Beauty, Ravel (not 377), Josef Haydn; 478 Porcelain Blue, Blue Lagoon; 480 Pastel, Gray Dawn, Sky Line; 490 Buckeye Bronze, TheOwl.

GLADS FOR OKLAHOMA

Mr. and Mrs. Geo. Morrow of Enid, Oklahoma, report on "Gladiolus for Oklahoma." We knew the Morrrows while we worked in the Okla. Glad Society. They are successful amateurs in this section and their skill in producing show spikes is exceptional. We have great respect for their judgment of what glads are best for this mid-west plains country. Mrs. Morrow notes "George and I, with the assistance of Miss Wright, (who is Sec. of Okla. Glad Soc.) have made up this list, and we feel you are pretty sure of all of these. Some you don't list.

GIANT: 500 Crystal; 501 Margaret Beaton; 506 Leading Lady, White Gold; 511 Discovery; 516 Dr. Whiteley; 523 Rio Rita; 530 Glamis, King William, Picardy; 532 Ogarita, 536 Algonquin; 537 Tip Top; 540 Pink Picardy, Rima; 541 Candy Heart, Belmar, Big Top; 550 Ohio Nonpareil; 552 King Click; 554 Black Panther; 560 Corona; 562 Burma; 566 Elizabeth The Queen, Rose O' Day; 570 Convoy, Parnasus, Mrs Mark's Memory; 580 Misty Dawn, Tunia's Mahomet, Xerxes, Car. W. Gannett; 590 R. B., King Tan.

LARGE: 400 Benison, Myrna, Snow Princess, Anamae; 401 Caribou, Silentium; 406 Pacifica, Wanda; 410 Crinklecream, Golden Chimes, Ophir, Gleam; 412 Autumn Gold, Mother Kadel; 413 Spotlight; 416 Arethusa; 420 Lantana; 423 Orange Drapery, Halloween; 424 Happy Days, Gratitude; 430 Beauty Clynic; 436 Beacon, Errey's Scarlet, Valeria; 440 Capeheart, Ethel Cave-Cole, Greta Garbo, Legend, Mandaleen; 450 Hawkeye Red; 452 Burgundy, Kenwood, Red Charm; 453 Ruddygore; 460 Francis M. Irwin, Rose van Lima; 462 Oregon Rose, H. R. Hancock, Paul Revere; 466 Rosalie, Badger Beauty; 470 King Lear, Lancaster; 476 Blue Beauty; 478 Blue Lagoon; 480 Voodoo, Zuni, Carol, Grey Dawn, Tecumseh; 490 Robinson Crusoe.

GLADS FOR ALBERTA, CANADA

W. J. Raison of Edmonton, Canada, reports on "Glad for Alberta, Canada." Mr. Raison grew this summer a grander spike of "Oregon Rose" than we have ever been able to do — consequently we feel that his opinion on the Glads that perform best for him is to be respected. He notes, "I am an amateur grower, growing Gladiolus for a hobby and pleasure. The opinions expressed are my own and all I have put down, I have grown." This particular report was of great value to us as this is a section which we have not, as yet, had the opportunity of visiting.

Giant and Large

WHITE—Snow Princess, Myrna, Igloo, Margaret Beaton.

CREAM—Leading Lady, White Gold, Winston, Lady Jane, Fair Angel, Wanda, Corona.

YELLOW—Golden State, Golden Chimes, Jasmine, Royal Gold, Spotlight.

BUFF—Bingo, Helen of Troy, Grenadier.

ORANGE—Jasinth, Dr. Whiteley, Lantana, Orange Gold, Dazzler, Hurricane.

SALMON—Jeanie, Genghis Khan, Picardy, Marlene Both, Pioneer.

SCARLET—J. S. Bach, Beacon, Errey's Scarlet.

PINK—Avalon, Candy Heart, Ethel Cave-Cole, Greta Garbo, Grand Opera, Fay, Big Top.

RED—Red Charm, Kenwood, Hindenburg's Memory, Flagship, King Click.

BLACK RED—Black Opal, Black Magic, Black Panther.

ROSE—Oregon Rose (this is best of them all), Burma, Betty's Choice, Malta, H. R. Hancock, Red Lory.

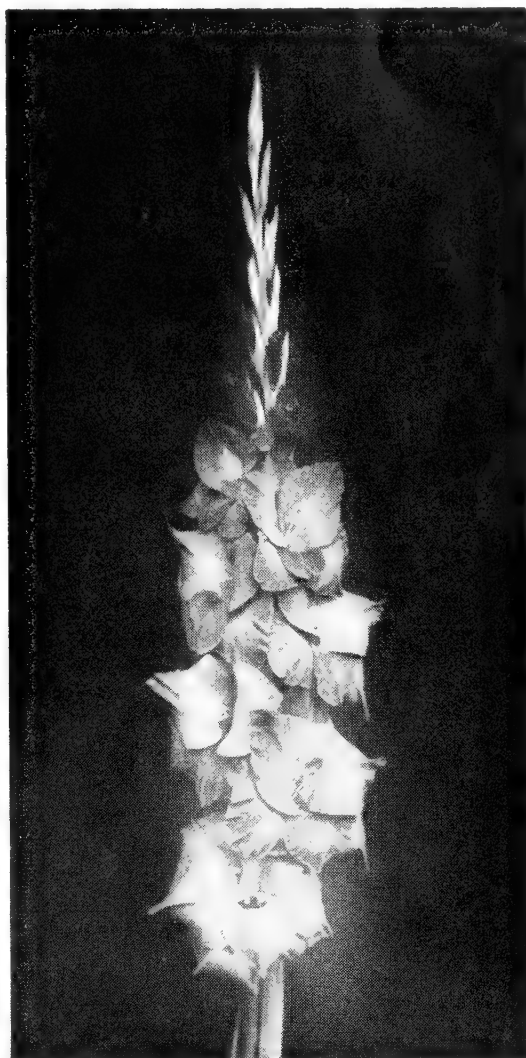
LAVENDER—Isola Bella, Elizabeth the Queen, Huntress, Rose O' Day, Lavender Prince, Minstrel.

PURPLE—Elanora, Mrs. Mark's Memory, King Lear, Lancaster, Purple Supreme.

VIOLET BLUE—Blue Admiral, Blue Beauty, Josef Haydn, Robert Burns, Abu Hassan.

SMOKY—Car. W. Gannett, Carol, Tunia's Mahomet, Quaker Beauty, Chief of Multnomah.

ANY OTHER COLOR—Buckeye Bronze, R. B.

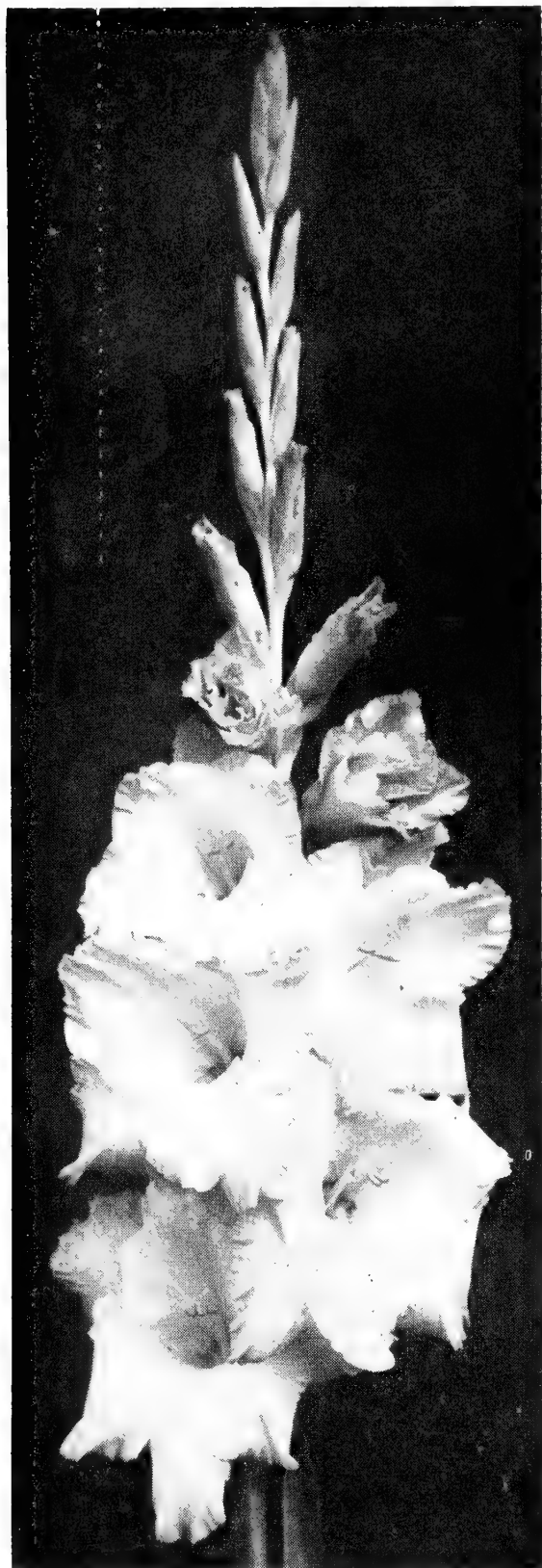


INTERCEPTOR

GLADS FOR OHIO

W. W. Woods of Rudolph, Ohio, reports on "Glad for Ohio." This list is the joint selection of Mr. Woods and Harry Plummer. All glad fans in the Ohio section know both of these men and will ac-

cordingly have confidence in their ability to judge both beauty and dependability. Mr. Woods notes, "Selecting lists of this kind is often a matter of per-



DAWN GLOW

sonal opinion. I think much in the way of choice depends on what one grows and how well the variety does for them." Mr. Plummer adds: "While you only asked for 400 and 500 series, I think these 200-300 might well be mentioned as they are becoming more popular all the time."

Mr. Woods is secretary of the Ohio Gladiolus Society, a very live state organization. Incidentally, Ohio and Pennsylvania both offer affiliation with the Canadian Gladiolus Society. A \$2.00 bill gives you a year's membership in your choice of these plus Canada membership (this gives you their fine yearbook) which latter alone is \$2.00. \$4.25 gives these memberships plus N.E.G.S. and N.A.G.C.—the biggest buy in up to the minute Gladiolus information. Glad to have you take advantage, too, of our subsidy for society membership, which makes your cost even less.

GIANTS: 500 Silver Wings; 501 Margaret Beaton; 506 Leading Lady; 510 Sir Galahad; 516 Helen of Troy; 520 Rio Rita; 530 Ogarita; 536 Tunia's Marvel; 540 Big Top, Phantom Beauty; 542 Cover Girl; 550 Ohio Nonpareil, Mid America; 552 King Click; 554 Black Panther; 560 Burma; 566 Elizabeth the Queen; 570 King Lear; 580 Car. W. Gannett, Tunia's Mahomet; 590 R. B., King Tan.

LARGE: 400 Myrna, Snow Princess; 401 Mt. Index, Silentium; 406 Lady ane; 410 Spotlight; 416 Susquehanna; 420 Daisy Mae, Drum Major, Tut's Both; 430 Marlene Both; 432 Spitfire; 436 Algonquin; 440 Connecticut Yankee, Ivy Robertson; 442 Fabulous; 450 Blaze; 452 Red Charm, Firebrand; 454 Pruessen's Gloria; 460 Miss Wisconsin; 466 Huntress, Badger Beauty; 470 Purple Supreme; 480 Chief Multnomah; 490 Buckeye Bronze, Robinson Crusoe.

MEDIUM: 300 Arctic Snow, Snowshoe; 312 Yangtze; 320 Orange Prince; 340 Variation; 354 Black Opal; 366 Lavender & Gold; 378 Abu Hassan, Bluet.

SMALL: 200 Snow Baby, Starlet; 212 Songster; 224 Crinklette; 236 Osage; 230 Nadia; 240 Pink Ribbon; 262 Rosette; 290 Old South.

WAS THIS CATALOG SECTION OF INTEREST TO YOU?

Always, when we venture into a new feature, we ask ourselves whether or not it will have reader interest and value. We will appreciate your opinion, whether favorable or unfavorable. If you do like it, we will appreciate your help next season in making it better. This you can do by submitting your lists of preferred varieties. Possibly we could have enough responses to make it a real symposium. The Canadian Society publishes in their year book such a symposium, but to pass this data on to our public, the information reaches us too late. Other societies as Maine and Southern California also publish their findings, which is one vital reason why you should join your state organization. To a certain extent our catalogs go to folks who are not members of any organization, and it is especially for these beginners that we are most anxious to provide useful information.

FROM AMATEUR TO PROFESSIONAL

It is only a matter of time before many amateurs, to a greater or lesser extent, turn professional at least to the point where income from cut flowers and sale of bulbs to their neighborhood friends makes the hobby self-sustaining and permits of ample investment in the new varieties, without any drain on the regular business income. We personally went thru all these stages—until with us Glads are now a full-time really enjoyable business—and one that is not without profit.

It is surprising what may be accomplished on a small garden plot or on a vacant city lot. An area 50 by 140 feet, tilled with either a wheel hoe or a garden tractor, has space to produce 800 dozen gladiolus spikes. If you start with good cut-flower varieties, this quantity should find ready sale in even the smallest community—especially if planting is extended so that you have a long blooming period.



LADY ANNE

This was one of the sensations of our test garden in the white shades. A Buchanan introduction — and to us — his finest release to this date. It will be a great cut-flower variety.

PLANTING FOR CUT FLOWERS

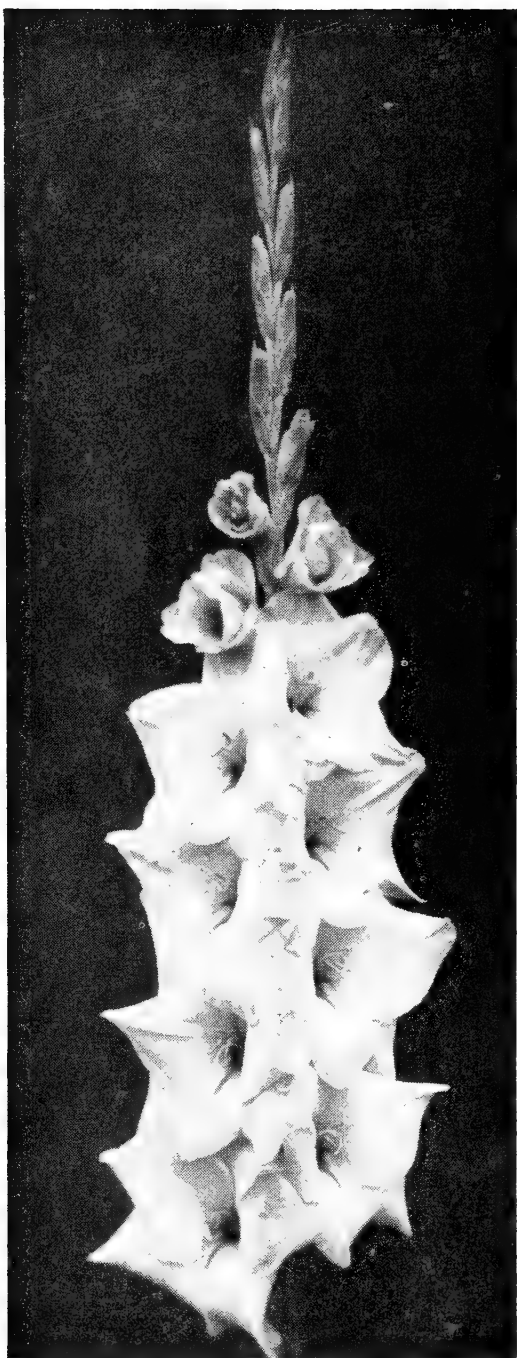
Choice of Varieties: This is one of the important questions which must be answered correctly if your cut flower crop is to prove profitable. A cut flower variety sells most readily if the flower size is in the 400 or 500 class. The colors must be clear and pleasing; the texture of the floret of sufficient durability that it will not wilt quickly; the attachment of the floret to the stem should be such that, it will not break off easily in handling; the spike must have the ability to open and hold in good condition—at least six florets— and if it can open more, so much the better. The variety must be capable of opening all of its buds in water when cut with one bud only partly open. If your market is to wholesale florists your varieties must be good shippers. Preferably the spike should be tall altho some of the most

beautiful and desired varieties as Elizabeth the Queen, are on the short side. The stem should be stout, and wiry, so that it droops less quickly in the field. The growing habits are quite important — the variety should be healthy and vigorous with the ability to produce almost 100% of good spikes from the bulbs you plant. Some of our loveliest varieties are temperamental — blooming beautifully and generously some seasons — in others proving most disappointing. A cut flower variety to be profitable must be dependable. Above all, the varieties must be superior to those which have been generally grown in the past. In a dull market the old well known varieties cannot compete with the newer varieties which have been developed. Keep your variety list just a year better than the common run that growers have in their fields and you will have no marketing problem. Be sure that each year you try out a few new ones—not too many of each—until you see how they behave in your soil. Of those that prove better than the ones you are already growing — plant generously next year. Don't hesitate to junk an inferior variety — build a reputation for quality spikes.

Choice of Colors: If you plan to sell your spikes to a local florist, he will most probably buy about 25% whites and very light creams, about 50% salmon and pastel pinks, with the remaining 25% of reds, yellows, purples, oranges, etc. combined. He will want mostly self colors, without prominent blotched or throat markings. The reason for his choice of color is the fact that about 75% of his use of gladiolus is for funeral sprays and designs. For weddings he uses mostly whites. When he is supplying baskets for banquets, business openings, and parties, then the bolder colors are desired, with tall spikes bringing premium prices for such use.

If you are selling from a stand or to a public market, where the spikes eventually are used for house decoration, then you will find that almost every color is in demand, and that the warm toned smokies and the brown hues of the 90 color class are very much in demand because they are so different and have such exquisite color blendings. A great field exists in gladiolus sales for the home and office. This field has barely been opened — it can be expanded enormously.

Quality of Bulbs: The first requisite of success in flower growing, is healthy stock. No amount of care can produce good spikes from diseased bulbs. Never



HUNTRESS

plant one that looks suspicious, for most bulb diseases are highly contagious and may easily and quickly affect your ground and your entire stock. The supplier of your bulb stock should be one on which you can rely not only for honesty but also on his ability to know gladiolus diseases. Always buy directly from a grower of unquestioned reputation for supplying healthy, vigorous, young disease-free stock.

Ground Preparation and Fertilization: If at all possible, plow your gladiolus bed in the fall. When soil is very poor, apply leaf mold, compost or manure that is thoroughly aged. Raw manure or

chemical fertilizers rich in nitrogen are apt to cause scab and foster certain fungus diseases. Excess nitrate also makes a weak stem that lets the spikes crook. Consult your state agricultural college and county farm agent, if you have any doubts as to proper methods and materials to use. In the spring, work ground thoroughly, before planting. A rototiller type cultivator is ideal for this spring preparation. Deep stirring of soil is essential for cut-flower production, eight inches is certainly a minimum depth to consider adequate.

Planting Time and Depth of Plant: When glads are grown for bulbs, and bulblet production, shallow planting is best, but for cut flower production, deep planting is necessary, or else spikes will loosen and fall when heavy rains or required water is necessary as the spikes are developing. For large bulbs plant 6 inches deep; for medium bulbs plant 5 inches deep. Plant as soon as ground becomes warm. While bulbs may be planted very early, cold ground checks growth development, and blooms will actually be later than when planted later, when growing can start immediately. The way to produce early flowers is to select varieties that require less time to develop bloom. Many kinds require only 65 to 75 days from planting, while mid-season varieties as Picardy under ideal conditions require 90 to 95 days. As a general rule the early blooming varieties are not as good quality as the mid-season and late blooming sorts, but they are apt to bring higher prices as they come into the market when local glads are scarce. By careful selection of varieties the cut flower season from a single planting may extend over a period of more than six weeks, while successive plantings can prolong the cutting season until frost.

Size of Bulbs to Plant: We recommend that you buy only young bulbs of medium size, either size 3 or size 4 — these cost less per bulb — and while it takes them a few days longer to bloom, they will make saleable spikes, and next year will be large bulbs that will bloom not only a few days earlier but will make spikes of exhibition quality. While many varieties such as Oregon Rose will make saleable spikes from small bulbs, definitely these cannot compare with spikes grown from larger bulbs of the same varieties, and if you are to establish and maintain a reputation for quality bloom you should be careful that you do not offer spikes of less than good quality.

Cultivation Care: Medium size bulbs planted for cutflowers are usually planted about 4 bulbs to the lineal foot, with row spacing depending upon the cultivation tool. Here at Gladland Acres we prefer a 24" spacing from center to center of row. Cultivation must be thorough and frequent. However, deep cultivation is neither necessary nor even desirable. Watering, if you live in an area of normal rainfall, should not be necessary until development of 5th leaf. The bud spike is then forming within the sheath and frequent and ample water is then essential if you expect to produce spikes of normal and adequate height. Assuming soil is even reasonably fertile, it has been our experience that ample water supply is all that is necessary to produce fine

spikes, if your variety selection is right and your bulb stock was vigorous.

Cutting: Cutting is done when the first bud is just beginning to open. In order not to affect the development of the bulb, the most effective method of leaving sufficient leafage to develop and mature the bulb and still obtain a spike of maximum stem length, is to insert the sharp point of a knife through the leaf sheath into the stem at a point about 8 inches above the ground. If you will then twist the stem gently but firmly it separates at the point of entry of the knife blade and can be pulled through the sheath leaving all of the main feeding leaves intact. The spikes are then bunched into dozens and plunged as soon as possible into cool water. Spikes until sold should always be stored in an erect position to prevent tip curl. If not marketed immediately, the storage room should be darkened or else lighted with perfect light diffusion otherwise the florets will have a tendency to twist towards the light, thus making a spike with objectionable floret facing. Numerous methods of bunching are used. Commonest is round bunching with florets facing outward; Most effective is what we have heard termed the California pack, where the dozen are arranged in line, all florets facing one direction with tallest spike with most open florets placed in center of row, then graduated toward each end. Two ties are made, one just below florets, held in line while tied, and the second at base of stem, which are bunched at this point. With this pack, two bunches are placed, florets facing each other, separated by a wadded paper pillow, which keeps the florets from rubbing, and then the two bunches are tied together. It is remarkable how roughly these may be then handled, without damage to open florets or buds. We have seen them stacked, almost like cordwood in the cutting field where they are usually assembled and tied under a canvas sun screen.

Thrip: You can't produce good bloom with thrip working on your plants. First, plant bulbs that are free of thrip; simplest method of storing seems to be dusting with 5% DDT powder. If the bulbs are thoroughly coated (done in small quantities by shaking bulbs well in paper sack containing the dust, or in large quantities by using a revolving drum) it seems that no thrip can escape a winter storage. We use a methyl bromide fumigation which kills thrip and eggs, but this requires a fumigation room which costs money to build.

Second, start spraying as soon as the leaves are a few inches high (using DDT according to directions on package) and keep it up. Every ten days is not too often. Even though thrip is all around you, which it probably is, this will keep them under control, so that you may expect perfect bloom. (Note: we do not suggest dusting the growing plant. In our experience this is not always effective—use spray instead.) DDT spray applied while florets are open, or with buds in color may damage floret causing it to brown.

Weeds: In a small plot these are not a problem as normal cultivation and a little pulling will keep them under control. In large acreage where labor costs are to be considered, the answer seems to be

the new plant hormone weed killer 2-4D. Our preliminary tests seem to find it a satisfactory solution but we have not yet used it in our main fields. It must be handled with care as it is sure death to a lot of garden plant favorites if the spray drifts on to them.

Finally, join your state and a National Gladiolus Society. Nearly every problem you have will be answered by the national publications. It costs you a little to join them, but it will surely cost you a lot more if you do not join. Remember always, that we are always ready to help with advice if you have specific problems.



ELEGANT LADY



VALERIA

NEW NAMES IN THE GLADLAND CATALOG

This past season when we grew more than 300 varieties that were new to us, varieties that were so good that we have added more than 100 of them to our list, makes our varietal comments a real task in that it would take a big volume to describe them in detail. Below we list these additions, and the very fact that we find it necessary to add them, should be in itself about as strong an argument that you, too, will enjoy them, as we could use. This season we list 67 White and Cream, 41 Yellow and Buff, 31 Orange, 54 Salmon shades, 20 Scarlet, 64 Pink, 41 Red, 33 Rose, 18 Lavender, 28 Purple and Violet, 23 Smoky, 13 any other color, for a grand total of 433 varieties.

When we do praise a variety, its first requisite must be ability to produce fine spikes from all bulbs tested. When it does not do so, regardless of the ultra perfection of a single spike, we must reserve our opinion until we have grown it again. For example, we planted four small bulbs of White Challenger. One made an absolutely gorgeous spike; one good; two very mediocre. For this reason before we can recommend it, we must grow it again, or see its performance in other fields. As on the contrary, we planted 6 bulbs of Pastel, sizes 1 to 6; all bloomed with spikes as lovely as one could desire; all made fine strong bulbs with ample bulblets. Hence in our color class comments it merits and will receive recognition. While lack of space precludes growth comment, all varieties which we mention in our comments, have made satisfactory growth.

THE NEW NAMES — described and priced in their color sections:

WHITE & CREAM — Angela, Avatrice, Elegant Lady, Ethel Theresa, Eureka, Exclusive, Joe Stalin, Lady Anne, Lake Placid, Lalja, Lidice, Mt. Index, Mt. Kosciusko, Reliant, Snowflake, Snow Mountain, Snowsheen, Strathnaver, Templar, Virgin, plus our sensational introductions, Snow Maid and Mary Odell.

YELLOW & BUFF — Charmoluck, Gleam, Glenolden, Gold Medal, Gold Standard, Hocus Pocus, Kathy Lee, Lemon Ice, Sole Mio, Spun Gold, Susquehanna, Yellow Beauty, Yellow Herald.

ORANGE — All Glory, Arantjuez, Bancroft Winsor, Chunking, Gratitude, Interceptor, Janet Lee, Trocadero, Tunia's Delight, Tut's Both.

SALMON — A. S. Stephens, April, Bloemfontein, Boldface, Butterscotch, Coraleen, Dawn Glow, Evening Light, Journey's End, Ladrone, Lois, Lucette, Prestige, Twilight Dream, Victory Queen, Vista Bonita.

SCARLET — Pfitzer's Century.

PINK — Aria, Beauty's Blush, Donella, Essa Marie, High Command, Lady Boo, Spellbound.

RED — Antietam, Cubana, Evelyn May, Feurreiter, Mansoer, Mid America, Royal Robes.

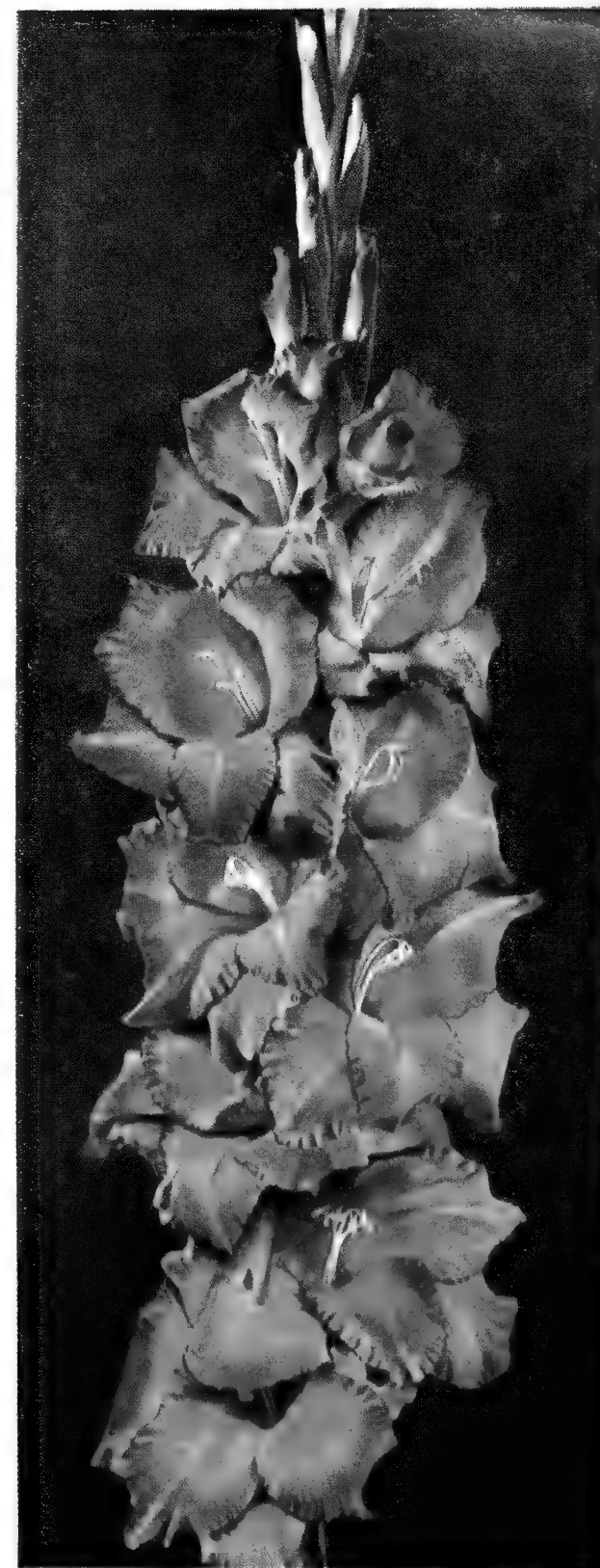
ROSE — Cape Cod, Evangeline, Exquisite, Fay, Mexicali Rose, Natalie Ann, Paula Ann, Rosy Light.

LAVENDER — Glen Lake, Huntress, Lucky, Poet's Dream, Rose O'Day, Tunia's Masterpiece, Wedgewood.

PURPLE & VIOLET — Crown Orchid, Great Lakes, Shangra La, Vulcan, Yoho.

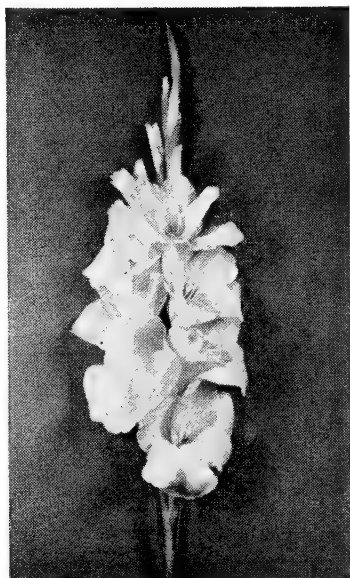
SMOKY — Gray Knight, Intrepid, Irak, Mistaya, Pastel, Skyline, Uhu,.

ANY OTHER COLOR — Charlotte Ann, Hula Hula, South Seas, Tony, Tunia's Elite.



ZUNI

The Gladland 1948 Offering Grouped By Color Classification



WHITE — CREAM — Classes 00 - 06

Outstanding were **Snowflake** and **Lady Anne**. **Texas** and **White Magic** of the 1947 introductions were impressive. **Silver Wings** gave its usual fine performance. **Carrara** was even better than last year. All of the above are white except **Silver Wings** which here is only a shade less creamy than **Leading Lady**. Again **Benison** and **Heavenly White** in faintly tinted whites were distinctive. **Frilled Fragrance**, the white sport of **New Era**, is as beautiful in form as its parent. **Alpine** florets were a little smaller than last year, but a lovely flower. **Mt. Kosciusko**, and **Snow Mountain** were huge but **Strathnaver**, simply unbelievable in size.

In whites with markings, **Mt. Index**, **The Bride**, and **Caribou**, were excellent, but **White Elephant** still best for us. **Ariadne** most colorful, and good old **Margaret Beaton** still strong in the race. **Edith Grace** was popular with visitors.

WHITE ELEPHANT

In creams, first certainly is **Oriental Pearl**. **Lake Placid** was exceptional — just a bit better than **White Gold** this year. **Leading Lady** of course, and **Joe Stalin** was splendid (wish big Joe were cream instead of Red). **Ethel Theresa** is an addition to the 200 size. **Eureka**, another Picardy sport by Fairweather, is really white and belongs in first paragraph just ahead of **Silver Wings**. The whole class of whites and creams is now so strong it would seem very difficult for a newcomer to break into the ranks.

Snow Maid and **Mary Odell** are the sensational white introductions of 1948, from the talented brush of Cave who produced **Ethel Cave-Cole** and **Bengasi**. These are really white and of exquisite form and appeal. This pair with **Lady Anne** and **Texas**, will replace **Snow Princess**, now the leading white commercial, when in same price class.

	MINIMUM ORDER ACCEPTED OF A VARIETY — 25c	PRICED PER EACH			BULBLETS	
		Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
400-i Alpine (Palmer 44) Chaste ruffled white.....		.40	.30	.20	10	.25
407 Angela (Vasaturo 47) Heavily ruffled cream with claret blotch deep in throat.....		5.00	4.00	3.00	1	.50
401-f Ariadne (Mitsch 37) Showy, yellow & red throat.....		.15	.10	.05	15	.25
500-i Avatrice (Sjerps 47) Sulphur white sport of Pic- ardy, slightly ruffled		1.00	.75	.50	3	.25
400-f Benison (Palmer 43) White tinted lavender.....		.35	.25	.15	10	.25
401-i Bonnie Jeanne (Krueger 44) Ruffled white.....		.20	.15	.10	15	.25
401-f Caribou (Kerr 40) Fine white, purple feather.....		.50	.35	.20	8	.25
500-i Carrara (Baerman 45) Big new creamy white.....		.40	.30	.20	10	.25
400-f Casablanca (Majeski 44) new cream white ruffled .....		.15	.10	.06	pkg	.25
506 Connie Olivia (Vasaturo 46) Tall ruffled cream.....		2.00	---	---	---	---

NOTE: Bulblets offered in packets will contain not less than 25 and up to 200 depending on bulblet production and value.

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

		PRICED PER EACH			BULBLETS	
		Large 1¼" up	Medium ¾"-1¼"	Small ¾"-¾"	Per	
507-f	Corona (Palmer 40) Ruffled cream, edge rose pink	.10	.08	.05	pkg	.25
406-i	Cream Puff (Coombs 40) Fine light yellow	.20	.15	.10	10	.25
401-i	Double Victory (Kundred 42) Ruffled white	.25	.20	.15	10	.25
400-f	Dover (H. E. Wilson 45) White sport of Laddie	.40	.30	.15	5	.25
401-i	Edith Grace (Harder 41) White, purple throat	.15	.10	.06	pkg	.25
401-f	Elegant Lady (Jack 44) Large early lavender, rfld.	.50	.35	.18	5	.25
206-i	Ethel Theresa (Vasaturo 47) New ruffled cream in miniature class, wine throat feather	1.00	.75	.50	3	.25
500-i	Eureka (Chemar Fairweather 48) Whitest sport of Picardy	3.50	2.50	----	1	.35
507-i	Exclusive (Krueger 45) White, rose feather	.50	.35	.25	5	.25
406-i	Fair Angel (Hatch 42) Fine big ruffled cream wht.	.20	.15	.10	pkg	.25
400-i	Friiled Fragrance (Ellis 43) White New Era	1.00	.75	.50	3	.25
400-f	Heavenly White (Moses 44) Blue-white Rosa V. Lima sport	.40	.30	.20	7	.25
400-i	Hilda (Becker 45) White, faint cream throat	1.00	.75	.50	3	.25
400-f	Igloo (Butt 44) Smooth petaled pure white	.40	.30	.20	8	.25
406-f	Joe Stalin (Both 47) Tall new cream	2.00	2.00	2.00	1	.25
500-f	Lady Anne (Buchanan 47) A remarkable new white. Outstanding in performance. You should try it	1.00	.75	.50	3	.25
506-i	Lake Placid (Wilson 45) Splendid cream	.80	.50	.25	5	.25
401-f	Lalja (K & M 46) White	.25	.15	.10	5	.25
506-i	Leading Lady (Johnston 42) Famous cream white	.20	.15	.12	15	.25
406-i	Lidice (Palmer 43) A Palmer cream	.25	.20	.10	10	.25
400-f	Llona (Krueker 43) Ruffled cream white	.15	.10	.03	20	.25
501-f	Margaret Beaton (Twomey 37) White, scarlet fthr.	.10	.07	.05	pkg	.25
400-f	Mary Odell (Cave 1948) Exquisite new white	3.50	3.00	2.50	2	.75
400-f	Matterhorn (Pfitter 38) Fine pure wht., many open	.10	.07	.05	pkg	.25
501-f	Mt. Index (Munn 42) White, gold throat	.25	.20	.15	10	.25
500-i	Mt. Kosciusko (Both 47) Huge white, 9" florets	2.00	1.50	1.00	2	.40
400-f	Myrna (Pruitt 39) Ruffled cream white	.10	.07	.05	pkg	.25
500	Neva (Vasaturo 46) White, cream throat	3.00	----	----	----	----
506	Oriental Pearl (Carlson 46) The wonder cream	2.00	1.50	1.00	1	.25
406-f	Pacifica (Wheeler 41) Fine early ruffled white	.15	.10	.06	pkg	.25
500-i	Reliant (Krueger 1948) giant in size of plant, floret size and in bud spikes	3.00	2.00	1.00	1	.30
406-i	Shooting Star (Scheer 42) A good cream, tall	.25	.20	.15	8	.25
400-f	Signet (Riley 44) Fine ruffled white	.40	.30	.20	5	.25
401	Silver Star (E. B. Snyder 45) White, purple throat	.50	.30	.20	8	.25
400-f	Silver Sword (Hatch 43) Fine ruffled white	.10	.07	.05	pkg	.25
500-i	Silver Wings (Rits 43) Sensational Picardy sport	1.00	.75	.50	3	.25
400-i	Snowbank (Palmer 45) Tall ruffled white	.12	.08	.05	10	.25
400-i	Snowcrest (Ellis 44) Ruffled white	2.00	1.50	1.00	2	.25
500-f	Snow Cruiser (Evans 43) Huge white	1.00	.75	.50	3	.25
500-f	Snowflake (European 46) Glorious ruffled white	3.00	2.00	1.25	1	.30
300-f	Snow Maid (Cave 1948) Whitest fine white	3.00	2.50	2.00	2	.65
500-i	Snow Mountain (Wilson 45) Huge white	2.00	1.50	.75	2	.25
400-f	Snow Princess (Pfitzer 39) Fine pure white	.10	.07	.05	pkg	.25
300-i	Snowsheen (E. B. Snyder 42) Fine white cut flower	.25	.15	.10	pkg	.25
200-i	Starlet (Baerman 44) Ideal small ruffled white	.25	.15	.10	6	.25
500-f	Strathnaver (Peattie 47) Huge white 10" florets	5.00	----	----	1	.50

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

		PRICED PER EACH			BULBLETS	
		Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
400-f	Templar (Palmer 47) Tall new late white.....	5.00	5.00	5.00	1	.50
500	Texas (Buchanan-Bork 47) Fine white.....	1.50	1.00	.60	4	.40
501	The Bride (R. H. Pruitt-Bastian 47) New white.....	4.00	2.75	1.00	1	.40
400-i	Trylon (Palmer 42) Tall vigorous white.....	---	.15	.10	---	---
407-i	Veecream (Van V. 39) Fine lt. yellow, scarlet thrt.	.15	.10	.07	pkg	.25
400-f	Virgin (Lins 46) Large new white.....	1.50	---	---	2	.30
406-i	Wanda (Snyder 41) Cream sport of Picardy.....	.10	.07	.05	pkg	.25
400	Wax Model (Krueger 46) Tall white.....	2.00	1.50	1.00	2	.40
300-i	White Eagle (Ellis 39) Ruffled white.....	.15	.10	.07	20	.25
501-i	White Elephant (Ellis 42) Our best big white, with throat color.....	3.00	2.00	2.00	1	.30
506-i	White Gold (Scheer 41) Huge cream, gold throat	.15	.10	.06	pkg	.25
500	White Magic (Kuhn 47) Splendid white.....	5.00	3.50	2.50	1	.50
406-i	Winston (Palmer 41) Chast ruffled lemon cream.....	.10	.07	.05	pkg	.25

YELLOW & BUFF — Classes 10 - 12 - 16



SNOWFLAKE

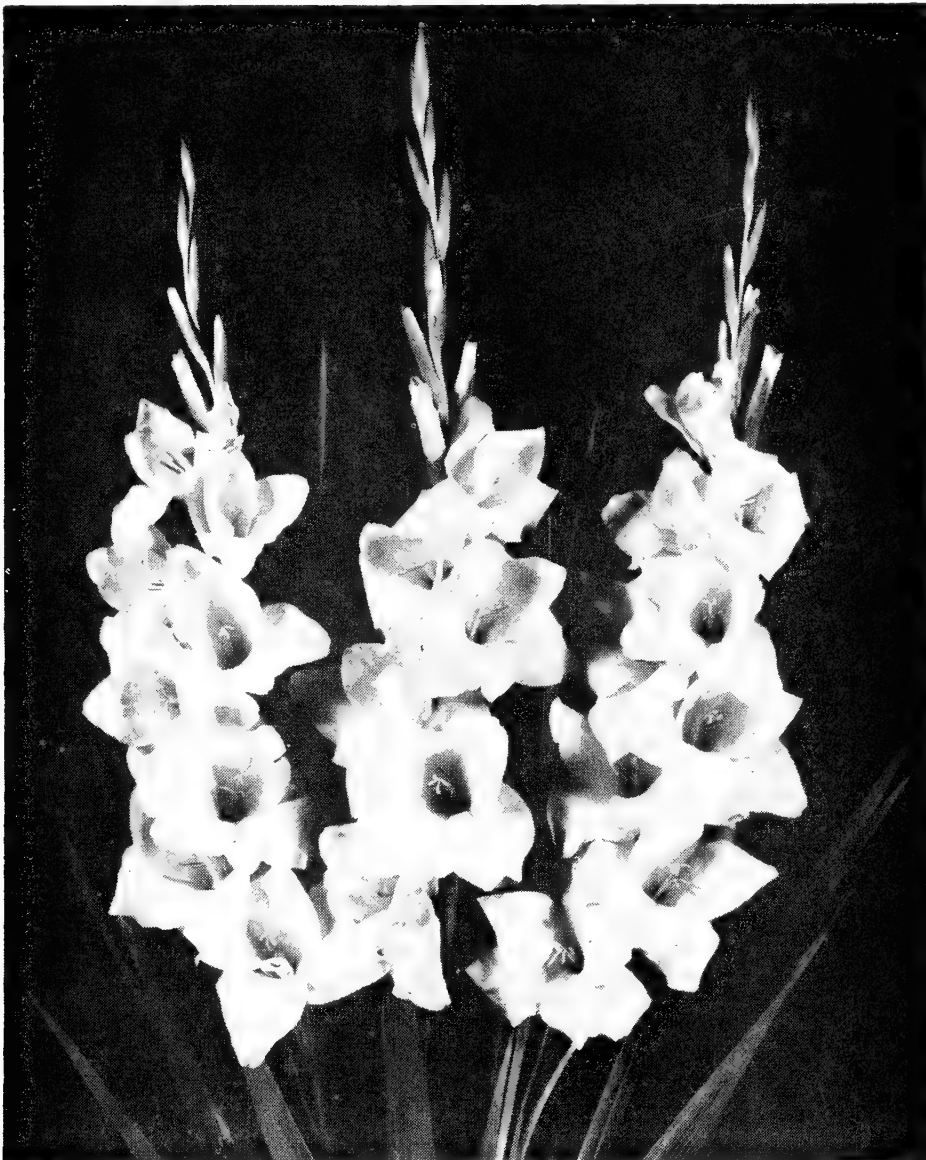
looked promising but we grew it only from small bulbs. **Crinklecream** and **Oregon Gold** are fine commercials.

The buffs are getting better and better. **Athlone** is certainly to us one of the most beautiful glads in existence — we revel in its subtle shadings. **Sunlight** and **Sunspot** are sure prize-winners. **Deborah Sampson** is due for increased popularity. **Charmoluck**, **Gold Standard**, **Glenolden**, and **Susquehanna** we simply had to add to our list as soon as we bloomed them in our trial garden. **Marimba** is a lusty grower and those who like the buff shades, like it. **Grenadier** is a must — this is more nearly orange than the rest. And last but not least, **April**. Dr. Evans calls this a buff; we think it a very pale but lustrous salmon or a light shade of peach. In either color class it's a winner.

310-i	Alchemy (Mitsch 40) Clear yellow, attractive.....	.10	.06	.04	pkg	.25
412-i	Amberglow (37) Ruffled deep yellow.....	.15	.10	.05	---	---
416-f	Athlone (B. L. Palmer 43) Finest buff cream.....	.50	.35	.25	5	.25
412-i	Autumn Gold (Prest. 43) Ruffled deep gold.....	.15	.10	.05	15	.25
310-f	Babs (R. Pruitt 45) Very ruffled small yellow.....	.50	.35	.25	5	.25
517-i	Bingo (Canine 39) Buff cream sport of Picardy.....	.15	.10	.05	---	---
416	Charmoluck (Wilson 46) Orange buff.....	2.00	1.50	1.00	2	.35

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

		PRICED PER EACH			BULBLETS	
		Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
410-i	Crinklecream (Ellis 40) Fine ruffled yellow.....	.25	.15	.10	10	.25
511-i	Discovery (Baerman 43) Exquisite light yellow.....	.30	.20	.10	12	.25
516-f	Dr. Whitely (Riley 43) Apricot and yellow.....	.25	.15	.10	12	.25
216-i	Filigree (Kuhn 45) Ruffled and lacinated buff.....	.50	.50	.35	10	.40
410-i	Gleam (Fischer 46) Fine ruffled light yellow.....	.60	.40	.25	10	.30
516-f	Glenolden (Wilson 46) Big clear chamois.....	2.00	1.25	.90	2	.35
512-f	Gold Medal (Krueger-Beardsmore 48) Giant yellow with buff tones in throat and petal edges....	5.00	4.00	3.00	---	---
516	Gold Standard (Beaton 47) Golden buff	3.00	2.00	1.50	1	.35
510	Golden Arrow (R. H. Pruitt-Bastian 47).....	2.00	1.50	.75	2	.35
410-f	Golden Chimes (Ellis 29) An old time yel. favorite	.15	.10	.05	---	---
512-i	Golden State (Wheeler 42) Fine deep yellow.....	.50	.35	.25	6	.25
312-i	Golden Teton (Zimmer 42) Fine buff yellow.....	.15	.10	.06	pkg	.25
412-f	Golden Yellow (Snyder 43) Sport of Nuthall.....	.10	.07	.05	pkg	.25



APRIL

YELLOW & BUFF — Continued

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c		PRICED PER EACH			BULBLETS Per	
		Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"		
416-i	Grenadier (Palmer 44) Grand buff orange.....	1.00	.60	.40	4	.25
313	Hocus Pocus (European 46) Novelty yellow, early....	1.00	.75	.50	3	.25
410-f	Kathy Lee (Fairchild 47) Ruffled light yellow.....	5.00	---	---	1	.50
410-f	Lemon Ice (Jack 47) Tall large light yellow — strong grower	2.60	1.80	1.00	2	.40
411-i	Manchu (B. L. Palmer 45) Unusual orange yellow	1.00	.75	.50	3	.25
416-f	Marimba (Palmer 42) Fine light buff.....	.12	.08	.05	pkg	.25
412-i	Mother Kadel (Kadel 41) Clear medium yellow....	.15	.10	.06	pkg	.25
411-i	Ophir (Baerman 44) Ruffled yellow, red blotch....	.15	.10	.08	pkg	.25
410-i	Oregon Gold (Majeski 41) Late tall yellow.....	.15	.10	.06	pkg	.25
316-f	Piquante (Riley 45) Pale pinky primrose yellow....	1.00	.75	.50	3	.25
311	Sole Mio (European) Yellow, carmine throat.....	.25	.20	.10	10	.25
413-i	Spotlight (Palmer 44) Outstanding deep yellow....	.50	.35	.20	8	.25
312-i	Spungold (Palmer 47) very early deep yellow.....	3.00	2.00	1.25	1	.25
416	Sunlight (Spiller 46) Splendid buff.....	2.50	---	---	1	.25
417	Sunspot (Roberts 45) Prize winning buff.....	2.00	1.50	1.00	1	.25
416-f	Susquehanna (Herridge 43) Buff, peach overtone	---	.15	.10	15	.25
510	Tahlahneka (Kaylor 42) Large clear yellow.....	.25	.20	.15	12	.25
312-i	Vangold (Van V. 40) A great clear yellow.....	.40	.30	.20	8	.25
310-i	Yellow Beauty (unknown) Fine cut flower.....	.10	.07	.05	pkg	.25
411-i	Yellow Herold (European 46) Tall fine yellow.....	.50	.35	.20	5	.25
411-i	Yellow Ruffles (Salbach 43) Intensely ruffled.....	1.50	1.00	.75	3	.30

ORANGE — Classes 20 - 22 - 24

A number of new orange glads proved exceptional — **Arantjuez** and **Trocadero**, both tall, perfectly placed formal of fine color, with **Chungking**, **Tunia's Delight**, **Gratitude**, and **All Glory** make a superb quintette of recent introductions. Older, but new to our list are **Tut's Both**, **Bancroft Winsor**, **Interceptor**, are varieties that will add charm and distinction to any gathering of orange glads. **Abnaki** is proving extremely disease resistant — a fine commercial. **Diane**, **Kestral**, **Lantana**, **Larime** and **Orange Drapery** were consistently fine. **Padre**, with its unusual and striking throat markings is the most spectacular of all — in spite of the medium sized florets, it certainly stands out in the orange crowd.

421-i	Abnaki (Funk 45) Orange, slight darker markings	.60	.40	.20	8	.25
421	All Glory (N. Z. 46) Novelty orange, purple bltch.	2.00	1.50	1.00	1	.25
522-f	Arantjuez (European 46) A marvelous new or- ange salmon	---	1.00	.50	---	---
423-i	Bancroft Winsor (Winsor 41) Orange with deep- er and more reddish plume in throat.....	.35	.25	.15	10	.25
520-f	Bobby Dazzler (Both 41) Brilliant orange salmon	.20	.15	.10	15	.25
420-i	Capistrano (Hatch 43) Orange buff, gold throat....	---	.20	.12	10	.25
523-f	Chungking (Wilson 46) Orange and cream.....	2.00	1.40	.90	2	.30
424-f	Coral Glow (Ellis 37) A good red orange.....	---	.10	.05	---	---
421-f	Dazzler (Both 38) Fiery orange, red blotch.....	.30	.20	.10	10	.25
422-f	Diane (Krueger 39) Beautiful med. shade of orange .....	.15	.10	.05	---	---
423-f	Drum Major (Wilson 42) Orange, solid blotch....	.75	.50	.35	5	.25
320-i	Gayway (Wheeler 41) Attractive medium red orange .....	.15	.10	.05	---	---

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

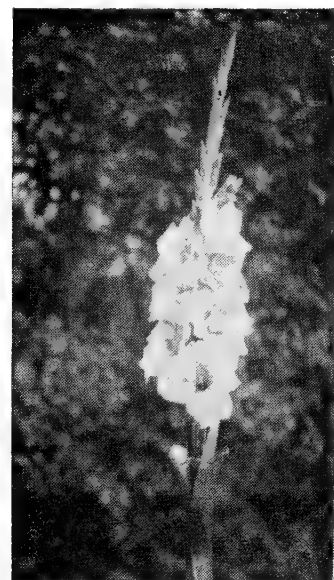
PRICED PER EACH
Large Medium Small BULBLETS
1 1/4" up 3/4"-1 1/4" 3/8"-3/4" Per

424-i	Gratitude (Fischer 46) Fancily ruffled, tall, heavy substance, deep salmon orange .....	.75	.50	.40	6	.25
423-i	Halloween (Lins 42) Good bright red orange.....	.15	.10	.06	20	.25
424-f	Hurricane (Evans 42) Early salmon orange.....	.20	.15	.10	15	.25
524-f	Interceptor (Jack 45) Giant orange red, earliest big red of its color. Round slightly ruffled florets....	.90	.65	.40	4	.30
520	Janet Lee (Fairchild 47) New light orange.....	5.00	---	---	1	.50
420-f	Kestrel (Palmer 45) Best orange we've seen.....	.75	.50	.25	6	.25
420-i	Lantana (Palmer 43) Lovely orange, gold throat..	.12	.08	.05	15	.25
425-f	Larime (Wilson 43) Beautiful deep orange	1.00	.75	.50	10	.30
423-f	Orange Drapery (Wilson 44) Fine orange red.....	.50	.35	.20	6	.25
324	Orange Prince (E. B. Snyder 45) Sport of Vagabond Prince .....	.50	.30	.20	8	.25
421-f	Orangold (Spencer 44) Light orange yellow.....	.20	.15	.10	15	.25
321-i	Padre (Leff. 41) Different and very popular.....	.20	.15	.10	15	.25
521-i	Palermo (R. Pruitt 44) Ruffled fiery orange.....	.15	.10	.05	---	---
324	Red Penny (Kadel 46) Orange-red.....	.15	.10	.06	20	.25
523-f	Rio Rita (Lins 41) Tall red orange, best seller.....	.15	.10	.06	20	.25
422	Trocadero (Lins 46) Carrot orange.....	1.50	---	---	2	.35
522	Tunia's Delight (Both 47) Huge or., blue margin....	3.00	2.25	---	1	.30
522	Tut's Both (Both 42) Deep pastel orange.....	1.00	.60	.35	3	.25
320-i	Vassar (Hedge. 40) Ruffled lt. orange, very good ..	.10	.07	.05	pkg	.25

SALMON — Classes 30 - 32

Top of the list of new introductions in giants is **Butterscotch**, because of its warm, glowing distinctive color. **April**, which had 6" florets for us was outstanding. Both can win in any show — and with the \$5.00 value of free bulbs which we are giving for each blue ribbon won by either in the 1948 shows, we know that we will distribute a lot of free bulbs. Our two top favorites of last year in the giant class, **Eglantine**, **Mrs. E. Both** and **Marlene Both**, were again outstanding when grown from old, large bulbs. From small, young bulbs they simply fail to show their possibilities. **Strawberry Peach**, and **Victory Queen** were glorious, **Supreme Beauty**, splendid, **Boldface**, spectacular. **Bengasi** fine this year. The salmon class is now so strong that all varieties listed are great performers.

In the 400 size **Spic & Span** is a wonder. It will be a great commercial as well as a great show glad — it has everything. **Grand Finale** is beautiful. Among the tops are **Dieppe**, **Genghis Kahn**, **Spitfire** and **Geraldine**, **A. L. Stephen** impressed us, as did **Evening Light** and **Prestige**.



GRAND FINALE

Even the lower priced older varieties of the 400 size give consistently fine spikes.

433-i	A. L. Stephen (Winsor 42) Slightly ruffled rose doree, with spectrum red spot in throat.....	.50	.30	.20	10	.25
430-i	April (Dr. Evens 1948) Light peach.....	1.50	1.00	---	5	1.00
430-f	Beauty Clynic (Wilson 42) Ruffled salmon pink....	.25	.15	.10	15	.25
530-f	Bengasi (Cave 43) Huge ruffled pink.....	2.00	1.50	1.00	2	.35
531	Bloemfontein (European 46) Large salmon with soft yellow blotch .....	.35	.25	.15	10	.25

SALMON — Continued

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c		PRICED PER EACH			BULBLETS	
		Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
533-f	Boldface (Evans 47) Deep salmon with black-red brush on white throat.....	5.00	5.00	5.00	1	.50
433-f	Brittany (Palmer 45) Fine salmon.....	1.00	.60	.40	3	.25
530-f	Butterscotch (Langworthy 1948) Warm Indian yellow, suffused Chinese coral.....	1.25	1.00		10	1.25
430-f	Cantabile (Scheer 41) Good light salmon.....		.10	.05		
530-i	Colossus (Mitsch 37) Giant salmon, cream throat.....	.15	.10	.06	20	.25
430-i	Conquest (Mitsch 37) Fine light salmon, cream thrt.....	.10	.07	.05	pkg	.25
430-i	Cooney Lass (Krueger 40) Very nice light salmon.....	.15	.10	.05		
432-i	Coraleen (Jackson 46) Slightly ruffled clear coral salmon.....	.75	.50	.25	10	.50
532-f	Dawn Glow (Jack 45) Giant ruffled rose — a beautiful variety.....	1.20	.90	.60	3	.30
433-i	Dieppe (Hassell 45) Salmon red, darker throat.....	.75	.50	.35	3	.25
530-f	Eglantine (Scheer 43) Ruffled salmon pink & white.....	5.00	3.50	2.00	1	.50
431-i	Evening Light (Winsor 43) Peach pink, cream and rose throat.....	.75	.50		4	.30
332-i	Exemplar (Krueger 44) Fine ruffled salmon.....	.30	.15	.10	15	.25
532-	Extra (Wilson 44) Rose salmon, orange blotch.....	.50	.35	.25	5	.25
432-i	First Lady (Roberts 45) Early salmon.....	.50	.30	.20	5	.25
432-f	Genghis Khan (Scheer 41) Ruffled salmon pink.....	1.00	.75	.50	3	.25
430-f	Geraldine (Pruitt 43) Fine ruffled salmon pink.....	.35	.20	.15	10	.25
530-f	Glamis (Palmer 40) Salmon pink, white throat.....	.15	.10	.06	Pkg	.25
430-f	Grand Finale (Andrews 47) A grand formal pink salmon.....	5.00	5.00	5.00	1	.50
533-f	Harmau (Both 40) Good salmon scarlet.....	.15	.08	.05	pkg	.25
430-f	H. B. Pitt (Both 39) Fine orange pink, cream throat.....	.15	.10	.06	pkg	.25
430-f	Hi Hat (Lins 45) Tall orange-pink.....	.75	.50	.25	2	.25
430-i	Hilga Eileene (Ellis 43) Light salmon, cream throat.....	.50	.35	.20	5	.25
430-i	Jeanie (Pruitt 41) Fine salmon pink.....	.10	.07	.05	pkg	.25
532-i	Journey's End (Kadel 44) Deep salmon pink.....	1.50	1.25	1.00	2	.40
530-i	King William (Schen. 40) Excellent salmon pink.....	.12	.08	.06	pkg	.25
433-f	Ladrone (Palmer 47) Rose salmon, yellow blotch.....	3.00	2.00	1.25	1	.25
430-f	Lois (Sheely 41) Fine pink and buff.....	.15	.12	.10	pkg	.25
531-f	Lucette (European 46) Salmon, yellow throat with light red blotch. Spectacular.....		.50	.25		
430-i	Mamie (Kadel 46) Fine salmon pink.....	.10	.07	.05	pkg	.25
533-i	Marguerite (Pommert 39) Very fine deep salmon pink.....	.15	.10	.05		
530-f	Marlene Both (Both 42) Giant salmon, buff throat.....	.50	.35	.25	6	.25
432-f	Midwest Victory (Zimmer 43) Early salmon.....	.40	.30	.20	8	.25
530-f	Mrs. E. Both (Both 43) Wonderful orange pink.....	4.00	3.00	2.00	1	.40
532-f	Ogarita (Wilson 42) Tall salmon, gold throat.....	.15	.08	.06	12	.25
530-f	Pay Day (Riley 44) Light salmon, white throat.....	.35	.25	.15	10	.25
531-i	Picardy (Palmer 31) Selected tall strain.....	.10	.07	.05	pkg	.25
532-f	Pioneer (LaSalle 45) Glowing salmon, yellow thrt.....	.50	.35	.20	5	.25
430-f	Prestige (Winsor 39) Soft salmon pink, shading to cream throat. All buds show color.....	.15	.10	.05	pkg	.25
432	Showboat (Wilson 43) Showy salmon.....	.35	.25	.15	10	.25
432-f	Spic & Span (Carlson 46) Fine ruffled sal. pink.....	3.50	3.00	2.00	1	.35
432-f	Spitfire (Evans 42) Rosy salmon, white throat.....	.75	.50	.30	4	.25

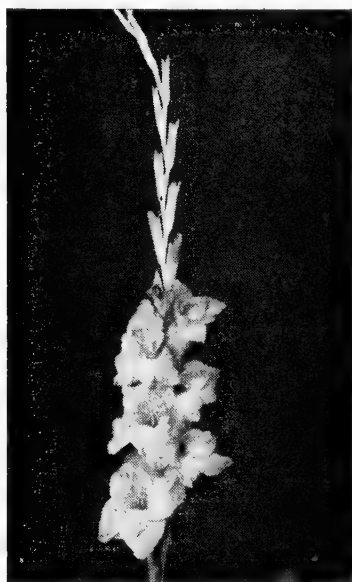
MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

	PRICED PER EACH			BULBLETS	
	Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
533-i Strawberry Peach (Salback 44) Ruffled orange pink	2.50	2.00	1.50	1	.25
432-f Style Plus (Wilson 44) Ruffled salmon pink	1.00	.75	.50	3	.25
532 Supreme Beauty (Bastian 46) Deep pink salmon	4.00	3.00	2.00	1	.40
432-f Titan (Palmer 39) Large rose salmon	.25	.20	.15	8	.25
430-i Twilight Dream (Heberlein 47) Light salmon		2.00	1.50	1	.30
530-i Victory Queen (Wilson 45) rich salmon-orange	1.00	.70	.40	4	.25
530-f Vista Bonita (Ellis 36) Large geranium pink	.10	.07	.05	pkg	.25

SCARLET — Class 36

Scarlet is a blending of orange and red, as distinguished from red in which no trace of orange is incorporated. This is the theory, but in application is too difficult for me — many varieties classed as scarlet seem to me red, and many of the reds seem scarlets. Guess we simply have poor color sensibility in these shades. Maybe you have, too — at any rate we simply follow the color classifiers, and are afraid to even criticize their judgment.

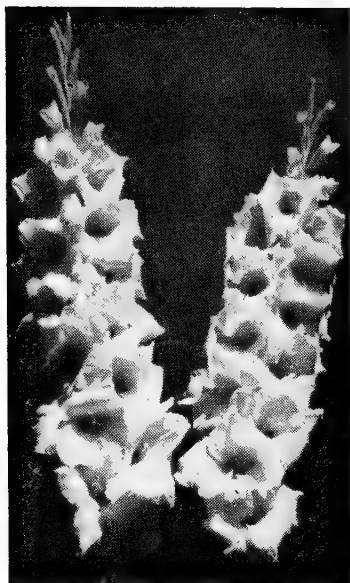
We added only one new scarlet to our list, **Pfitzer's Century**. Our feelings won't be hurt if you do not order it, as we would really like to increase our stock. Best of the list for us is **Errey's Scarlet**. **St. Edward** and **Valeria** also in the 400 size were outstanding. **Firebird**, **Mountain Gem**, and **War Paint**, all very recent introductions, gave good accounts of themselves. In the giants, **Commando** leads, and together with **Tunia's Marvel**, **Marseillaise** and **Southern Drama** form a great quartet. **Algonquin** continues to win in the shows, but was not quite as good as usual for us this season. In the mediums, the very early **Rhett Butler** has possibilities for cut flowers.



GRATITUDE

536-f Algonquin (Palmer 39) Brilliant scarlet	.10	.07	.05	pkg	.25
436-f Beacon (Palmer 35) Scarlet, cream throat	.10	.07	.05	pkg	.25
536-f Commando (Palmer 43) Huge scarlet red	.40	.30	.20	8	.25
436-f Errey's Scarlet (Errey 39) Splendid tall scarlet	.25	.20	.15	15	.25
436-i Firebird (Kuhn 47) Clear brilliant scarlet	1.00	.75	.50	10	.75
536-f J. S. Bach (Pfitzer 32) Popular showy scarlet	.10	.07	.05	pkg	.25
536-f Marseillaise (Scheer 41) Brilliant rose scarlet	.35	.25	.15	7	.25
436-f Mercury (Lins 41) Soft brilliant scarlet	.15	.10	.06	20	.25
436-f Mountain Gem (Requa 46) Fine scarlet	1.50	.75	.45	3	.25
236-i Perky (Hubler 42) Miniature scarlet	.25	.20	.10	10	.25
436 Pfitzer's Century (Pfitzer 47) Light scarlet		2.25	1.50		
536-i Red Plush (Baerman 43) Ruffled scarlet red	.25	.15	.08	8	.25
336-i Rhett Butler (Kuhn-Collins 47) Earliest scarlet	1.50	1.00	.75	4	.25
436-f Scarlet Queen (Coombs 39) large bright scarlet	.15	.10	.06	20	.25
536-f Southern Drama (Wilson 43) Big scarlet	.25	.20	.10	10	.25
436-f St. Edward (Both 40) Fine early scarlet	.35	.25	.15	9	.25
536-f Tunia's Marvel (Both 41) Huge smoky scarlet	.50	.40	.30	8	.25
436-f Tunisia (Wilson 44) Bronze scarlet	.75	.50	.25	4	.25
436-f Valeria (Pruitt 38) Popular cut flower, scarce	.10	.07	.05	pkg	.25
436 War Paint (Kadel 47) New fine scarlet	3.00	2.00	1.00	1	.30

PINK — Class 40 - 42



PHANTOM BEAUTY

Giants that were splendid were **Fort Ti**, **Miss Vermont**, **Stella Antisdale** in light shades; **Belmar**, **Big Top**, **Lavalier**, **New Zealand Splendor** in those with conspicuous markings. In the deeper shades we liked especially **Marlyn**, **Summer Gal** and **Heart String**. **Essa Marie**, **High Command** are two additions to our list which we think you will like.

Among the 400 sizes, **Phantom Beauty** seemed best, but **Dream Castle** and the old reliable **Ethel Cave-Cole** were just as outstanding as ever. **Beauty's Blush** was excellent. Of those with markings you couldn't be wrong if you grow **Algoma**, **Bride's Delight** and **June Day**. Deeper shades especially appealing were **Cover Girl**, **Miss Michigan**, **Phoebe** and **Geraldine**. We know that some of the others as **Deborah Sampson**, **True Love**, **Memoir** would have appeared in the list, had you not bought all of our bulbs last year, leaving us nothing but bulblets to plant. **Rima** is still our choice for one of the most beautiful, but our stock is practically non-existent. We hope some day to have an adequate quantity — we will most probably have no bulbs of this left when this catalog reaches you.

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

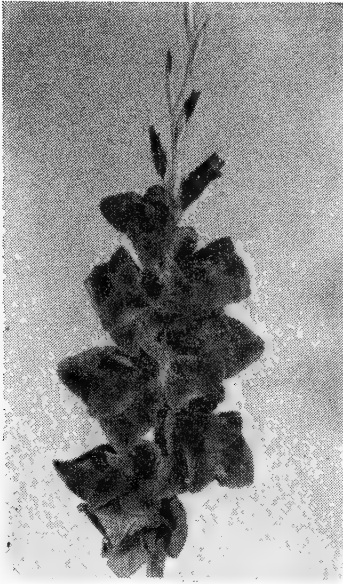
	PRICED PER EACH			BULBLETS	
	Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
441-f Algoma (Butt 44) Fine early pink, red throat.....	.75	.50	.20	3	.25
440-f All Ruffles (Pruitt 43) Most ruffled light pink.....	.20	.15	.10	15	.25
440-f Allure (Nichols 46) Cream flesh pink.....	2.00	---	---	---	
440-i Antonita (Ellis 39) Fine pink, yellow throat.....	.20	.15	.10	15	.25
242-f Aria (Kuhn 48) Another miniature from Kuhn. Deep pink with white midribs, cream throat.....	3.00	3.00	2.00	1	.30
440-f Avalon (Marshall 40) Ruffled rosy pink.....	.15	.10	.05	15	.25
443 Beaconlight (Brockman 39) Deep pink.....	---	.10	.07	15	.25
440-f Beauty's Blush (Fischer 47) Cool, soft, blushing pink with lots of sparkle	1.50	1.25	1.00	2	.25
541-i Belmar (Lins 42) Large creamy pink.....	.15	.10	.08	20	.25
541-f Big Top (Rich 42) Giant pink, carmine throat.....	.15	.10	.05	25	.25
540-i Blanche Heater (Becker 45) Pink, 6" florets.....	1.00	.75	.50	3	.25
440-f Blessed Damosel (Baerman 44) Light pink.....	.25	.15	.10	10	.25
441-i Bride's Delight (Wilson 41) Beautiful cameo pink..	.20	.15	.10	12	.25
440-i Capeheart (Winsor 38) A ravishing warm pink, superb .....	.10	.08	.06	pkg	.25
543-f Cherry Jom (Zim. 43) Big pink, cherry blotch.....	.50	.35	.25	5	.25
442-f Cover Girl (LaSalle 45) Deep pink, a beauty.....	.50	.35	.20	5	.25
440-f Criterion (Krueger 42) Tall light pink.....	.15	.12	.08	pkg	.25
441-f Daisy Mae (Lins-Ruble 45) Orange pink.....	1.00	.75	.50	3	.25
440-f Deborah Sampson (Scheer 47) pastel pink & cream	2.50	1.50	1.00	1	.25
240-i Dolores (Vasaturo 43) Miniature pink, white thrt.	.40	.30	.20	5	.25
340-f Donella (Wright 47) Very early pink.....	1.00	.60	.40	2	.40
440-f Dream Castle (Lins 43) A lovely coral.....	.50	.35	.20	5	.25
542-f Essa Marie (Coutts 46) Soft deep pink.....	.35	.25	.15	6	.25
440-f Ethel Cave-Cole (Cave 41) A great light pink....	.10	.08	.05	pkg	.25
442-f Felicity (Jack 40) Picardy type deep salmon.....	.15	.10	.05	---	---
440-i Fiancee (Lins 43) Beautiful pink and white.....	.20	.15	.10	12	.25

	PRICED PER EACH			BULBLETS	
	Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
540-i Fort Ti (Webster 43) Wonderful giant light pink....	.25	.20	.15	10	.25
440-f Gavotte (Roberts 47) Frilled light pink.....	1.50	1.00	.75	2	.25
443-f Geraldine (Coombs 42) Deep salmon pink, purple throat .....	.25	.20	.15	10	.25
440-f Greta Garbo (Pfitzer 37) A truly great pink.....	.10	.07	.05	pkg	.25
542-f Heart String (Wilson 44) Lavender pink, crm. thrt.	1.00	.75	.50	3	.25
540-f High Command (Barrett 43) Big shell pink.....	.50	.35	.20	6	.25
441-f June Day (Roberts 47) Very early pure pink.....	3.00	2.00	1.50	1	.40
440-i Lady Boo (Graff 44) Shell pink.....	1.00	.75	.50	3	.25
541-f Lavolier (Wilson 44) Ruffled pink, cream throat....	.75	.50	.35	4	.25
440-f Legend (Fischer 40) Large light pink.....	.20	.12	.08	10	.25
440-i Mandaleen (Lins 43) Ruffled pink, cream throat....	.15	.10	.06	15	.25
440-f Margo (Hedg. 41) Fine large deep pink.....	.20	.15	.10	15	.25
542-i Marlyn (Ellis 40) Large deep pink.....	.25	.20	.15	10	.25
440-f Maryland Maid (E. B. Snyder 45) light pink.....	.30	.20	.10	25	.25
440-i Mary Virginia (Wilson 43) Lt. pink, pastel beauty	1.00	.75	.50	3	.25
441-i Memoir (Palmer 45) Cream pink, crimson blotch..	1.25	.75	.50	2	.25
442-f Mermaid (Palmer 41) Splendid deep pink.....	.15	.10	.06	pkg	.25
442-f Miss Michigan (Kuhn 47) Deep pink.....	5.00	3.50	2.50	1	.50
540-f Miss Vermont (Hatch 45) Lavender tinted pink....	.75	.50	.25	5	.25
541-f New Zealand Splendor (Toon 39) Lg. formal pink	.20	.15	.10	12	.25
440-f Phantom Beauty (Bastian 47) Ruffled pale pink....	7.00	5.00	3.00	1	.75
442-f Phoebe (Scheer 42) Fine tall pink and white.....	1.00	.60	.35	4	.25
542 Pink Charm (LaSalle 46) Ruffled salmon.....	2.00	1.25	.50	2	.35
440 Pink Lady (Kuhn 47) Early warm pink.....	.35	.25	.15	10	.30
342-f Pink Paragon (Cass. 43) Purest pink, white throat	.15	.10	.06	pkg	.25
540-i Pink Picardy (Earl 45) Pink sport of Picardy.....	.20	.15	.10	15	.25
140-i Pink Ribbon (Spencer 42) Miniature classic pink....	.25	.15	.10	10	.25
340-i Random Harvest (Riley 44) Lovely ruffled pink....	.25	.20	.15	10	.25
540-i Rima (Mitsch 37) Tall lilac pink, a masterpiece....	.25	.15	.10	10	.25
442-i Rosy Morn (Riley 41) Coral rose, white throat.....	.15	.10	.07	pkg	.25
440-f Ruffled Princess (Pruitt 40) Ruffled light pink....	.10	.07	.05	pkg	.25
442-f Spellbound (Lins 47) Deep rose pink.....	2.00	—	—	1	.25
549-f Stella Antisdale (Evans 40) Splendid creamy pink	.20	.15	.10	10	.25
542-i Summer Gal (Zimmer 44) Luscious pink.....	3.00	2.00	1.00	1	.30
440-i Susannah (Lake 43) Heavily ruffled pink & white	.50	.35	.20	5	.25
440-i True Love (Klein 45) Lovely shell pink.....	.75	.50	.25	6	.24
340-f Variation (Krueger 41) Fine soft light pink.....	.10	.07	.05	pkg	.25

IMPORTANT NOTICE — Dec. 10th — We have just completed a count of fall bulb sales and reservations, and while bulb grading to sizes is not complete, it seems evident that we already are completely sold out on large sizes of 50% of the varieties listed. Be sure to note in your order whether equal value in smaller sizes may be substituted. Of the 1948 introductions we expect to be able to fill all orders for large size bulbs.

Orders for bulblets of newer varieties **MUST** reach us by March 10th. We start our field planting about this date and, this year, we will reserve no bulblets for possible late orders.

RED — 50 - 54



MANSOER

Certainly **Mid America** was the year's sensation almost everywhere, as it was here. New to our list is **Mansoer**, which we like best of all dark reds as we have grown them here. **Feurriter** is very promising. In the giants, the best as we grew them, placing **Mid America** first, were **Intruder**, **Daniel Boone**, **Oriental Display**, **King Click** and **Black Panther**. This last one color-flakes in foggy weather.

Light reds in the 400 size were **Ardent**, **Navaho** and **Red Cherry**. Deeper colored, tops were **Burgundy**, **Firebrand**, **Kenwood** and **Red Charm**. **Pillar of Fire** is one less known that we rate very highly—very tall, it is most appropriately named. Of the black reds, **Mansoer** first, with **Black Magic** and **Paul Robeson**. **Oeganda** in the 300 class, is blackest of all, but already we are practically sold out — a very slow propagator. **Ruddygore** continues to intrigue us. **Blaze**, which last season we liked better than **Stoplight**, was not as good. Just goes to show you that every season brings different degrees of performance. Better grow a glad two or three years before you actually discard it.

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

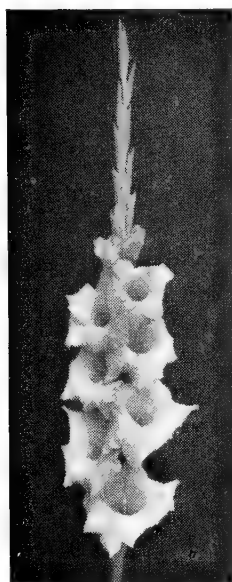
PRICED PER EACH

Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	BULBLETS Per
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454	Antietam (E. B. Snyder 48) Deep glistening red, opens eight florets	3.00	2.00	1.00	1	.30
450-i	Ardent (Mitsch 40) Bright red	.10	.07	.05	pkg	.25
454-f	Black Magic (Errey 49) Toll black red	.90	.60	.40	4	.25
554-i	Black Panther (Lins 40) Tall black red	.70	.50	.30	5	.25
450-i	Blaze (Lins 40) Brilliant scarlet red	.10	.07	.05	pkg	.25
452-f	Burgundy (Scheer 42) Ruffled scarlet red	.40	.30	.20	8	.25
453-f	Chehalem (Becker 44) Fine tall red	.50	.35	.20	5	.25
452-i	Crimson Tide (Roberts 45) Ruffled deep red	1.50	1.00	.75	2	.25
454-i	Cubana (European 46) Black red	.50	.35	.20	10	.25
551-f	Daniel Boone (Wilson 43) Ruffled rose red	.35	.25	.15	8	.25
550-f	Evelyn May (Vasaturo 47) Robust new deep red	7.50	5.00	3.50	1	.75
550	Feurriter (European 46) Fine new red	3.00	2.00	1.00	---	---
452-f	Firebrand (Butt 42) Tall glowing ruffled deep red	.40	.30	.20	10	.25
451-i	Firebrand (Ellis 42) Brilliant smoky red	.50	.35	.25	5	.25
450-f	Flame Queen (Coombs 39) Fine light red	.20	.15	.10	12	.25
450-f	Hawkeye Red (Heaton 44) Famous sport of Vagabond Prince	.20	.10	.05	15	.25
550-f	Intruder (Graff 44) Grand huge light red	1.50	1.00	.50	2	.25
452-f	Kenwood (Lins 43) Popular large red	.15	.10	.06	15	.25
150-i	Kewpie (Brown 30) Our favorite midget or.-red	.10	.07	.05	pkg	.25
450-f	King Cardinal (Nitchman 40) Large bright red	.15	.10	.06	15	.25
552-f	King Click (Wilson 41) Tall bright red	.15	.10	.06	15	.25
550-i	Mammoth Ohio (Wilson 40) Giant scarlet	.25	.20	.15	10	.25
454-f	Mansoer (Salman 47) Finest black red	.50	.35	.25	8	.25
550-f	Mid-America (Knierim 47) Spectacular red	2.00	2.00	2.00	1	.25
450-i	NAVAHO (Lins 44) Outstanding huge red	.50	.35	.20	5	.25
354-i	Oeganda (Pfitzer 37) This is the nearest black	.35	.25	.15	---	---
550-f	Ohio Nonpariel (Wilson 40) Bright giant red	.15	.08	.05	12	.25
550-f	Oriental Display (Wilson 40) Big red	.20	.15	.10	15	.25

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

	PRICED PER EACH			BULBLETS	
	Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
454-f Paul Robeson (Cave 43) Fine black red.....	2.00	1.50	1.00	2	.30
452-i Pillar of Fire (Baerman 43) Intense red.....	1.00	.75	.50	3	.25
450-f Pursuit (Riley 44) Good new red.....	.20	.15	.10	12	.25
352-i Ragged Robin (Add. 41) Novelty lacinated red....	.25	.20	.15	10	.25
452-f Ranger (Vaughn 43) Bright deep red.....	.50	.35	.25	5	.25
452-f Red Charm (Butt 39) Very fine red.....	.15	.10	.06	pkg	.25
450-f Red Cherry (Roberts 46) Cherry red.....	2.00	1.50	1.00	2	.40
450-i Redwood Beauty (Majiski 33) An older red, still popular .....	.15	.10	.05	---	---
554-f Rewi Fallu (Fallu 35) Huge dark red.....	.12	.08	.05	---	---
450-i Royal Robes (Lins 47) Ruffled velvet red.....	2.50	---	---	1	.25
453-f Ruddygore (McKil. 39) Fine bright deep red.....	.25	.20	.15	10	.25
452-i Stoplight (Lins 42) Popular brilliant red.....	.10	.07	.05	pkg	.25
450-i Thriller (Evans 43) Red with med. size creamy blotch	---	.50	.25	---	---



FAY

ROSE — Class 60 - 62

This is our favorite color class, and we add to it whenever possible. Certainly the year's sensation of all classes is the introduction of Palmer's **Evangeline**, rated by experts as his finest introduction since Picardy, and which Clarence Fortnam thinks is the finest variety he has ever grown. We use a whole page to tell you about **Oregon Rose** so you ought to know what we think of this one. Newcomers are **Cape Cod**, **Exquisite**, **Fay**, **Lustre**, **Mexicali Rose**, **Paula Ann** and **Rosy Light**. The growth and flowering of these certainly afforded us some very happy days, with vivid recollections of some grand new flowers. **Diadem** is much like **Oregon Rose** with lighter instead of deeper throat — naturally we liked it. **H. R. Hancock** is becoming more and more popular as more people see it. **Red Rose** is sensational—color like **Burma**—but taller with huge florets, and **Burma**, of course, is a must. In the light shades we prefer **Ballad**, **Miss Wisconsin** and **Tralee**. **Buena Vista** and **Timor** must be added to the top deeper colors. In the 500 size we prefer **Rose Ruffles**, **Coutt's Orchid** and **Sensation**. This class with the exception of the new **Evangeline** is weak. **Rose Ruffles** is short; **Coutt's Orchid** and **Sensation** are very temperamental. When some really consistent performers come along in this size class, we will have to discard these three.

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

	PRICED PER EACH			BULBLETS	
	Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
460-i Ballad (Palmer 43) Ruffled light salmon rose.....	.15	.10	.06	15	.25
462-f Buena Vista (Pruitt) Very fine tall deep rose.....	.50	.35	.25	5	.25
562-f Burma (Palmer 43) Exciting ruffled deep rose red	.25	.15	.10	20	.25
460-f Cape Cod (Winsor 42) Glistening lilac pink, creamy throat .....	.50	.30	.20	10	.25
362-i Carrie Jacobs Bond (Vaughn 41) Fine medium size deep rose .....	.25	.20	.15	10	.25
460-f Chaumony (Baerman 38) Popular cut flower.....	.15	.10	.06	pkg	.25
560-i Coutt's Orchid (Coutts 40) Beautiful orchid rose....	.25	.20	.15	10	.25
462-f Diadem (Lines 47) Fragrant -two-toned rose.....	10.00	7.00	5.00	1	1.00
460-f Dunkirk (White 42) Large light rose.....	.25	.20	.15	10	.25
562-f Exquisite (Both 40) Rose pink, cream blotch.....	.20	.15	.10	15	.25

ROSE — Continued

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

PRICED PER EACH				BULBLETS Per
Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"		

560-i Evangeline (Palmer 48) Light rose, mild creamy throat, probably Palmer's best introduction since Picardy	10.00	10.00	10.00	---	---
560-f Fay (Jack 45) More pink than rose. Good substance .....	.30	.18	.10	8	.25
460-f Frances M. Irwin (Wilson 41) Fine light rose.....	.20	.15	.10	15	.25
462-f H. R. Hancock (Both 41) Bright rose lg. white thrt. ....	.50	.35	.20	5	.25
460-f Magnolia (Palmer 40) Light creamy rose.....	.10	.07	.05	pkg	.25
462 Mexicali Rose (Wilson 47) Dark rose.....	6.00	4.50	3.00	1	.60
460-f Miss Wisconsin (Krueger 43) Soft rose pink.....	.50	.35	.20	5	.25
462-f Natalie Anne (Wilson 46) Large rose, self color....	3.00	2.00	1.00	3	.25
460-i Nowadays (Graff 45) Rose & Peach salmon.....	.50	.35	.25	10	.40
462-f Oregon Rose (Mitsch 38) Wonderful deep rose....	.15	.10	.06	pkg	.25
460-i Paula Ann (Toben 43) Fine light rose.....	.25	---	---	---	---
562-f Red Rose (Ellis 43) Huge ruffled deep rose red....	1.00	.75	.50	3	.25
560-f Rose Ruffles (Hatch 42) Big ruffled salmon rose....	.15	.10	.05	pkg	.25
460-i Rosy Light (Jack 46) Ruffled medium rose, robust grower	1.25	.85	.45	2	.25
362-f Rosy Red (Knight 45) Deep rosy red.....	.50	.35	.25	5	.25
560-f Sensation (Marshall 39) Beautiful but fickle.....	.10	.07	.05	pkg	.25
360-i Siegfried (Mitsch 36) Beautiful rose and white.....	.10	.07	.05	pkg	.25
462-f Timbuctoo (Zimmer 38) Fine spikes, deep rose....	.12	.08	.06	pkg	.25
462-i Timor (Mitsch 43) Fine large rosy red.....	.20	.15	.10	15	.25
460 Tralee (Krueger 47) Pale rose.....	4.00	3.00	2.00	1	.40
262-i Tweedledum (Van V. 38) Miniature rose red & yel. ....	.15	.08	.06	20	.25
460-f Wildwood (Riley 44) Lovely pale rose pink.....	.50	.35	.25	5	.25

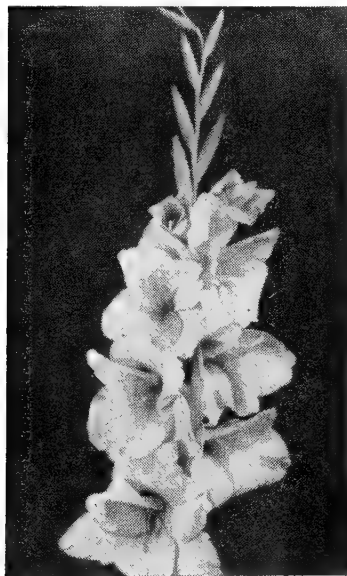
LAVENDER — Class 66

Formerly weak, now one of the strongest color classes. It seems almost unbelievable that such improvements could be made in such a short time.

In the giants we now have the marvelous **Patrician**, the bewilderingly beautiful **Tunia's Masterpiece**, the prize-winning **Elizabeth the Queen**, and lovely, sturdy **Rose O'Day**. We do not know about the sensational **Allen's Lavender** (Siboney) as the only plants we saw of this were badly diseased. We will reserve judgment until we know more about its health. **Minstrel**, too, is a big advance.

In the large 400 sizes are **Badger Beauty** and **Myrna Fay**, plus **Huntress** and **Orchid Beauty**.

The medium 300 size class has of course been good, but is improved with additions of **Poet's Dream**, **Wedgewood**, and **Lucky**. **Grand Opening**, prizier winner phenomena, of course, heads the 300 size.



TUNIA'S MASTERPIECE

466-f Badger Beauty (Krueger 41) Fine tall lavender....	.15	.10	.05	pkg	.25
367-f Barbara Jane (Hedg. 43) Popular tall lavender....	.25	.20	.10	10	.25
566-i Elizabeth the Queen (White 41) Best ruffled lav. ....	.15	.10	.06	pkg	.25

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c

		PRICED PER EACH			BULBLETS	
		Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
366-f	Gertrude Swenson (White 41) Good cut flower....	.12	.08	.05	pkg	.25
367-i	Glen Lake (Vaughn 41) Free flowering lavender..	.20	.15	.10	15	.25
367	Grand Opening (Kuhn 46).....	5.00	5.00	4.00	1	.75
366-f	Hoosier Lady (Zimmer 43) Large ruffled lavender	.40	.30	.20	8	.25
466-f	Huntress (Jack 45) Early lavender; consistent performance	1.00	.70	.45	4	.30
366-i	Lavender & Gold (Baerman 43) Well named.....	.15	.10	.06	pkg	.25
366-i	Lucky (Jack 47) Tall clear lavender.....	2.50	2.00	1.25	2	.30
566-i	Minstrel (Palmer 44) Largest ruffled lavender.....	1.50	1.00	.60	2	.25
466-f	Myrna Fay (Lines 46) Early lavender.....	2.00	1.50	1.00	2	.30
566-f	Patrician (Scheer 46) Great new lavender.....	10.00	7.50	5.00	1	1.00
366-f	Poet's Dream (Fischer 46) Ruffled lavender blends into creamy throat .....	.50	.35	.20	10	.25
466	Remembrance (Butt 39) Tall lavender mauve.....	.15	.10	.05	---	---
566-f	Rose O'Day (Fischer 44) Distinctive rosy laven- der, one of the very best .....	.35	.25	.20	10	.25
566-f	Tunia's Masterpiece (Both 47) Gorgeous lavender	5.00	---	---	1	.50
366-i	Wedgewood (Fischer 47) Waxy ruffled rich live blue-lavender, cream throat.....	1.50	1.50	1.50	---	---

PURPLE & VIOLET — Class 70 - 78

Purples are now a fine class — but room for more and better introductions. In giants our choice is **Convoy**, **Mrs. Mark's Memory** and **Parnassus**. In large, **Concord**, **Lancaster**, **Purple Supreme**. All of the above are sufficiently distinctive.

Blues are decidedly a weak class — they lack health and vigor as compared with the other classes. They are more susceptible to fungus diseases; many are heavy bulblet producers which germinate easily but still bulbs easily decay and die under conditions which do not affect bulbs in the more resistant color classes. Recent hybridization experiments are increasing the size and achieving more pleasing colors, but we have noted no increase in the health and vigor. Perhaps some day a break will come as with the creation of **Picardy** which will give real vitality to the blues. As we have grown them, based on size and color only, we give you our choices.

Large — **Porcelain Blue**, **Blue Lagoon**, **Great Lakes**, and **Pfizer's Success**.

In the mediums — **Allegro**, **Bluet**, **Leonardo da Vinci**. One that we have added this season, we found in the Mitsch stocks, labeled **Shangra La**, but we have been unable to discover its origin. It is

quite attractive and seems healthiest of our entire listing, multiplies very rapidly, and we think you might like it. It is priced as low as our stock permits.



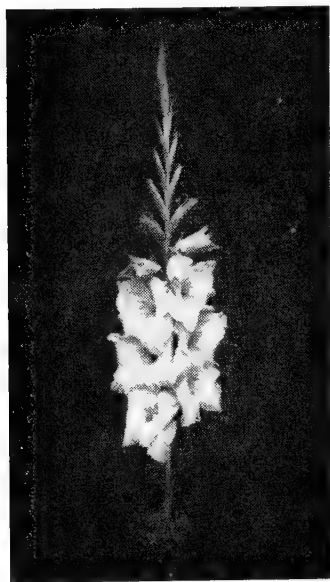
ORCHID MARVEL

377-f	Allegro (Pfizer 39) Good medium blue.....	.15	.10	.07	15	.25
376-f	Blue Beauty (Pfizer 37) Fine blue.....	.10	.06	.05	pkg	.25
379-i	Blueblood (Ellis 39) Blue, red throat.....	.20	.15	.10	15	.25
476	Blue Lagoon (G. V. Snyder 46) Fine blue.....	3.00	---	---	1	.30
378-i	Bluet (Mitsch 39) Our favorite blue, white throat..	.15	.10	.06	pkg	.25
470-i	Brocade (Palmer 45) Ruffled reddish purple.....	1.00	.60	.40	4	.25
470	Concord (Kuhn 47) Royal purple.....	.50	.35	.25	10	.40
570-i	Convoy (Palmer 42) Rich pure purple.....	.15	.10	.06	pkg	.25

PURPLE & VIOLET — Continued

	MINIMUM ORDER ACCEPTED OF A VARIETY — 25c	PRICED PER EACH			BULBLETS	
		Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
470-f Crown Orchid (Almey 46) New orchid purple.....		4.00	3.00	2.00	1	.40
370 Fuchsia Maid (Knight 46) Wine red.....		.75	.50	.35	3	.25
476-i Great Lakes (Kuhn 46) Large bright blue.....		15.00	10.00	7.50	1	1.00
477 Josef Hadyn (Pfitzer 38) Light violet, red throat.....		.15	.10	.06	---	---
470-i King Lear (Palmer 38) Tall ruffled purple.....		.12	.08	.05	---	---
470-f Lancaster (Palmer 44) Best exhibition purple.....		.75	.50	.25	5	.25
378-i Leonard da Vinci (Pfitzer 41) Best deep violet.....		1.00	.75	.50	3	.30
570-i Mrs. Mark's Memory (K. & M. 39) Lg. fine purple		.20	.15	.10	15	.30
570-f Nila (R. Pruitt 47) New big dark purple.....		3.00	3.00	3.00	1	.30
378-i Oberbayern (Pfitzer 39) Blue, white throat.....		.35	.20	.10	10	.25
570-i Parnassus (Ristow 42) Rich deep purple.....		.15	.10	.06	pkg	.25
477-i Pfitzer's Success (Pfitzer 40) Blue.....		.50	.35	.25	5	.25
478-i Porcelain Blue (Rich 44) Fine, white throat.....		2.50	1.75	1.00	1	.25
370-i Purple Pep (Spencer 43) Small, vigorous purple..		.20	.15	.10	15	.25
470-f Purple Supreme (Wilson 42) Tall, very fine.....		.15	.10	.06	pkg	.25
471-f Rangoon (Palmer 43) Beautiful ruffled purple.....		.50	.35	.25	5	.25
376-i Shangra La (Unknown) Fine blue, white throat.....		.25	.20	.15	10	.25
470-f Vulcan (Stevens 42) Large clear purple.....		.35	.25	.15	10	.25
470-i Yoho (Beaton 40) Wine red purple.....		.15	.12	.08	pkg	.25

SMOKY — Class 80



MISTAYA

Just the other day we received a gladolus catalog issued by a very good friend of ours. He notes in his catalog that he is offering a new smoky, the first smoky he has ever listed. We like the smokies — we add them to our stocks as fast as we can find more good ones to list. You like them too. Do you know why we know you do? Just because you spent more money last year in your retail orders to us, for smokies and the new brown shades of the "Any Other Color" class than you did for either the popular pinks, salmons, or whites. Florists in cut flowers demand 80% of the colors they buy to be these whites and pastels; when they attempt to increase their sales to folks who buy flowers for the home, they, too, will be customers for smokies.

Of the giants we find **Carl W. Gannett**, **High Finance**, **Tunia's Mahomet** and **Xerxes** just as good as ever. In the large, **Tecumseh**, **Carol**, **Intrepid** and **Zuni** made the second quartet. **Beltrami** was tops in the 300 size, but all of these we have grown and offered before. Among the new names in our list some are perhaps even better — at least they were fine this year, **Oklahoma**, which Mr. Wilson thinks his finest smoky creation, **Mistaya**, the new sport of R. B., **Pastel** and **Skyline**, two superlative glads. **Uhu** — think we are sold out of this. Then we have dug back into the past and offer again **Irak** and **Grey Knight**. We didn't name above, the **Flying Fortress** because we have never yet had a chance to grow it from a large bulb, but it must be good or you wouldn't keep our stock so depleted.

380-i Beltrami (Lins 43) Good smoky rose.....	.15	.10	.05	pkg	.25
480-f Bronze Wing (Errey 38) Autumn tints.....	.25	.20	.10	10	.25
480-f Carol (Becker 43) Splendid smoky salmon.....	.30	.20	.10	10	.25
580-f Car. W. Gannett (Cham. 39) Giant smoky salmon	.40	.30	.20	8	.25

MINIMUM ORDER ACCEPTED OF A VARIETY — 25c		PRICED PER EACH			BULBLETS	
		Large 1 1/4" up	Medium 3/4"-1 1/4"	Small 3/8"-3/4"	Per	
580-f	Flying Fortress (Wilson 43) Giant Smoky gray.....	.80	.50	.30	4	.25
480-f	Gray Dawn (Errey 39) Gray smoky.....	---	.10	.07	15	.25
480-i	Grey Knight (Gilrey) Gray smoky.....	.15	.10	.07	pkg	.25
480-f	Grey Wings (Errey) Gray smoky.....	---	.10	.07	15	.25
580-f	High Finance (Wilson 40) Giant orange gray.....	.15	.10	.06	pkg	.25
480-i	Intrepid (Jack 38) Fine salmon smoky.....	.10	.07	.05	pkg	.25
480-i	Irak (Mitsch 37) Gray sport of Bagdad.....	.10	.07	.05	pkg	.25
580-i	Mistaya (Ketch 47) Giant grey lavender sport of R. B.	2.25	1.50	.75	2	.40
480-i	Nelda (Ellis 38) Smoky purple.....	.50	.35	.20	5	.25
380-i	Oklahoma (Wilson 45) Ruffled lavender-gray, cream throat .....	.80	.55	.30	4	.25
480-f	Pastel (Both 42) Lustrous rose, gray-blue edge.....	.35	.25	.15	10	.25
480-f	Sky Line (Wilson 43) Fine rosy gray.....	.40	.30	.20	8	.25
480-i	Tecumseh (Palmer 41) Ruffled smoky salmon.....	.25	.20	.15	10	.25
580-f	Tunia's Mahomet (Both 41) Giant smoky plum.....	.75	.50	.35	4	.25
480-f	Uhu (K. & M. 46) A new European smoky.....	---	---	.20	8	.25
480	Voodoo (Kadel 44) Smoky wine-bronze.....	.50	.35	.25	5	.25
580-f	Xerxes (Mitsch 40) Best smoky buff apricot.....	.10	.07	.05	pkg	.25
480-f	Zuni (Mitsch 37) Fine old rose smoky, scarce.....	.30	.20	.10	10	.25

"ANY OTHER COLOR" — Class 90

Combined with the smokies, these varieties are our best sellers and we offer some new ones that are unusual, interesting, and most attractive. Foremost of the new ones are **Hula Hula**, **South Seas**, **Tunia's Elite**, and **Tony**. Next season we will introduce a new one originated by Langworthy, who created "Butterscotch." This seedling will be named "Indian Summer." We keep the color a surprise, but we think it will appeal to you. We would like to have a country-wide test on this one, so, if you have already bought a bulb or bulbs of **Butterscotch**, or include them in your next order, we will send you without charge, a large bulb of **Indian Summer**. If you happen to win a blue ribbon in the shows with "Indian Summer" we will also send you five more. We do want your report — whether favorable or not — a post card will do the trick.

490-i	Buckeye Bronze (Wilson 42) Large rose-bronze....	.15	.10	.07	pkg	.25
490-f	Charlotte Ann (Lins 47) Chocolate.....	2.00	---	---	---	---
390	Color Marvel (Krueger 46) Orange and yellow....	2.00	1.50	1.00	2	.40
390	Havana (Roberts 46) Ruffled bronze-orange.....	1.00	.75	.75	4	.40
491-i	Hula Hula (Wilson 47) Orange-violet gray.....	7.00	5.00	3.00	1	.75
490-f	Jackpot (Wilson 43) Ruffled plum.....	1.00	.75	.50	---	---
490-i	Old Nick (Kuhn 47) Plain cream throat, scar- let blotch	1.00	.75	.50	---	---
920-i	Pinochio (Evans 40) Miniature yel. novelty blend	.30	.20	.10	10	.25
590-i	R. B. (Upton 40) Giant smoky bronze.....	.10	.07	.05	pkg	.25
490-i	Robinson Crusoe (Lins 44) Tan-flecked chocolate..	1.25	.75	.50	2	.25
591-f	South Seas (Wilson 47) Big orange grey.....	7.00	5.00	3.00	1	.75
590-i	Tony (Wilson 45) Light chocolate, orange blotch, cream border	1.25	.75	.35	3	.25
590-f	Tunia's Elite (Both 47) Giant bronzy orange.....	2.50	1.75	1.25	1	.25
390-f	Vagabond Prince (Palmer 34) Popular brown and red .....	.10	.07	.05	pkg	.25

HYBRIDISTS

We wrote in our 1947 catalog that the increasing popularity of the *Gladiolus* is due wholly to the introduction, in the last decade especially, of new and vastly improved varieties achieved by painstaking hybridists who have grown literally thousands of hand crossed seedlings, of which perhaps 1 in 10,000 was an improvement on already existing varieties. In this issue we honor a few of the many who we feel are producing finer glads for our enjoyment. We wish we had space for all of them.



MRS. ELIZABETH BRIGGS

"Do you remember when back in 1927 **Frank J. McCoy** was the year's sensation, and in 1932 **Red Phipps** was the top introduction of the year, and in 1934 when **Betty Coed** made her bow to the Glad world? These were only a few of the world famous originations of Elizabeth A. Briggs, who started her hybridizing activities in 1914. We know you will be interested in an informal pose of Mrs. Briggs with a new seedling. (Last year she grew 10,000 in her trial grounds, and about this quantity every year.) All of her most select originations the past few years are being grown exclusively by her son Donald for ultra-select cut-flower markets. No bulbs are for sale of some very thrilling glads—superior to most introductions of the past few years. Granddaughter Shirley helps nowadays with the tedious and painstaking work of pollenizing. If we knew what Mrs. Briggs knows about gladiolus hybridization we could really write an article which everyone would like to study. Let us all hope that some day she will release some of these miracles of gladiolus perfection for the enjoyment of the back-yard gladiolus fan."



CARL FISCHER

Mr. Fischer has created some very exceptional gladiolus. Outstanding among those he has released are *Wedgewood*, *Beauty's Blush*, *Gratitude*, *Poet's Dream*, *Rose O'Day*, *Gleam*.

We especially like his policy of growing them long enough before releasing to prove their dependability — and then the modest price at which he offers his new introductions. We grew all of his releases of the past three years in our test gardens this summer — and without a single exception — their performance rated well with the best of the plot.

We had planned to carry for our clientele the photographs of both Dr. Scheer and G. W. Wilson, but both were too busy to furnish us with photos. We list so many of their very fine releases that we certainly would have liked to feature them. Perhaps, next year, they will brave the camera.



MILTON JACK

Milton Jack — across the border to the north — is one of our most industrious workers in this field. We met him personally for the first time this past summer, altho for many years we have known of his achievements. Genial, and modest, we instantly added him to our increasing circle of Glad friends. You will find, elsewhere illustrated in our pages, several of his more recent introductions, all of which can and have won on the show table, as well as having commercial possibilities.



DOROTHEA KUHN

Prof. Chester Kuhn and his wife Dorothea are jointly producing some very fine hybrids. Two recent spectacular releases, "Grand Opening" and

"White Magic," have received great publicity because of their show winnings. Their work in the miniature and small sizes of glads is equally effective. In fact so great are their improvements in this popular size class, that the standards of perfection as established for use by show judges, already need revision as to number of florets opening. The photograph of Mrs. Kuhn in their seedling field was a color photograph, consequently the engraver was not able to get too good a plate for our use.



H. O. EVANS

Mr. Evans is a hybridizer of rare ability. He has a flair for selecting seed parents capable of producing — more frequently than is usual — great offspring. The 1947 sensation *Mid-America*, while grown and originated by Kniernan, was from seed grown by Mr. Evans. *Stella Antisdale*, *Snow Cruiser*, *Spitfire*, *Boldface* and unusual *Pinnocchio* are some of his most outstanding releases. Mr. Evans — a great exhibitor—an outstanding judge in the flower show — is primarily interested in glads for the show table — his introductions always are show winners. He is a close student of records of show performance with a phenomenal memory for names and dates. While we naturally do not like to advertise a business competitor unduly, honesty forces us to state that we consider his catalog the most scholarly one issued, and we think it an annual contribution to gladiolus literature, unrivaled in its special field of records of the show table.

Mr. Evans has taken great interest in the development of Gladiolus Societies, and has made marked contributions to their growth. Not only has he given largely of his time, but, like Gladland Acres, has consistently subsidized the cost of initial membership fees, at an annual cost running into the hundreds of dollars.

HOW WE GROW SPECIMEN GLADIOLUS

The great majority of our customers are advanced amateurs, members of state and national organizations, with bulletins and yearbooks which cover all phases of *Gladiolus* growing in minute detail. To us it seems more important to give the utmost possible catalog space to variety listing and description, and supply our customers with special pamphlets dealing with culture.

We never use chemical fertilizers of any kind here at Gladland Acres. We think that the vigorous growth that our bulbs seem to make wherever we send them is due in great part to the fact that our growth is not artificially forced, and the result is a firm bulb filled with natural organic food elements that can hardly fail to show exceptional vigor in its next season's growth.

We plant only on ground rich in natural humus. In our test garden where we try out all new varieties we simply see that the soil is exceptionally well supplied with organic matter, using compost made largely from leaves. Very often new bulbs do not give us typical flowers the first year, whereas the second year we secure spikes that are criterions of what that variety will do for us here in Oregon. We do not believe that this is entirely or even largely an adaptation to climatic differences. Rather

we believe that a bulb produced in a soil that is rich in natural humus, and in which proper bacterial action does take place, will in the next season produce optimum spikes, if it is given proper care and cultivation, and adequate moisture.

When we use uncomposted natural manure, until the manure has been incorporated into the soil for a full year we find that there is a tendency for bulb-scab to develop. Consequently we prefer not to use ground for *gladiolus* until the second year after such an application.

We suggest that you try a portion of your *gladiolus* garden, using peat and leaf mould or vegetable compost worked liberally and thoroughly into the soil of the trench area, and predict that you will find the results very satisfying as compared with the areas on which you use the commercial chemical fertilizers. We should be glad to have reports from you if you attempt this experiment.

In an article "From Amateur to Professional" elsewhere in the catalog we go into more detail as to planting depth, cultivation and watering, spraying, etc., which may answer many questions regarding the culture necessary to produce spikes of maximum size, height and quality.

GROWING GLADS FROM BULBLETS

A great many of our customers order bulblets and apparently have good success as we have had few complaints. We do not guarantee the germination of bulblets, and they need good care after germination. A 75% germination is fine — some varieties are so difficult that 25% is good. They are cheap in comparison with the price of bulbs because they are uncertain, and given even fair germination is an economical way to get a start in new and expensive introductions. With expensive varieties it increases your percentage of germination if the hard hull is cracked or, even better, entirely removed. With these sorts it pays to give each bulblet ample room to develop. Given 2 to 3 inch spacing, with ample water they can easily make a large bulb and even bloom the first year

if they germinate quickly. We plant as early in the spring as we can get into the ground, covering the bulblets about 1½ to 2 inches deep. Sizes vary greatly with different varieties, but the bulblets you will receive on your order are the largest we have on hand.

One treatment we find helps greatly, and that is to keep bulblets stored in warm room—70 degrees or more—for 4 to 6 weeks before planting. This seems to promote quick germination. Bulblets that are produced by bulbs grown from bulblets ordinarily germinate very much better than those produced from older bulbs. They are always smaller in size than those from older bulbs. When available, we always send out the bulblet grown because of ease of germination.

COMPOST — By J. I. Rodale

Note by Gladland Acres: In last year's catalog we mentioned the value of compost in growing show specimen *Gladiolus* spikes. So much interest was shown in this and so many inquiries received asking for the specific method of making compost, that we have obtained the following article giving detailed descriptions from J. I. Rodale, Editor of **Organic Gardening**, which we use by his permission.

COMPOST FOR THE GARDEN

Is it practical to run a garden exclusively with the use of compost, without the aid of the so-called chemical or artificial fertilizers? The answer is not only YES, but in such case you will have the finest vegetables obtainable, vegetables fit to grace the table of the most exacting gourmet.

LOCATION OF HEAP

First choose a good site for the heap, preferably protected on the north, east, and west by a wall, fence, or hedge. Have it as close to the garden as possible and near your supply of water, because

in dry weather you will have to water it every day. Pick out a flat location that is well drained, and one that is not near the bottom of a hill, where the rains will come shooting down. Reserve a place next to the heap where you can pile your green waste materials such as weeds, grass clippings, etc., for it is best to let such material wither a while before being placed in the compost heap.

SIZE OF HEAP

The size will depend on the area of your garden and the amount of material you have available

for ocmposting, but the minimum should be 5 foot square. The height, regardless of the square area, is 5 feet. The maximum width in the case of large heaps should be about 12 feet wide, otherwise air will not be able to penetrate the inside. The length can be almost any size, A good size for the average small garden would be about 9 feet wide by 12 feet long.

MATERIALS USED IN HEAP

It is best if you can accumulate a reserve of green waste materials to have on hand for the future. This may consist of leaves, weeds, grass clippings, corn stalks, sun-flower stalks, hedge-trimmings, seaweed, spoiled hay and straw, kitchen wastes, chaff, and any other kind of plant material you can lay hold of. In many cases you will find neighboring land growing wild in weeds. You can always get permission to cut it down. By doing so you not only obtain material for composting, but by cutting it down before the weeds go to seed, you prevent these seeds from blowing over your land.

There is much material and by-products in the industrial life of cities and towns which yields valuable organic matter for composting. Take your average large market. In the fish department there accumulates much in the way of fish cuttings, entrails, heads, etc., which is given away for the asking. This may be used as a manure substitute in the compost heap. Breweries give away what is called **brewery waste**, which consists of the hulls of grains used in making liquors, after the inside of the grains has been pressed out. This is valuable plant material. In the vegetable department at groceries and at wholesale establishments there accumulates large quantities of the green tops of vegetables, the danger here, however, is that much of this may have been treated with poison sprays in the field. I would go easy on this kind of material.

In chicken markets, much organic material is thrown out or burned at the city incinerator, consisting of the entrails, head, feet and feathers of chickens and cage scrapings, sawdust, etc., all of which is valuable as a substitute, if not an improvement upon manure. Near our farm which is only about 95 miles from New York City a considerable amount of trapping of small animals is carried out in the winter. After the skins are taken off, the rest of the carcasses are dumped somewhere. This is very valuable material, if composted. It may lead to trouble if used on the land in its raw state. An enterprising person will find available much other material if he keeps his eyes open.

HOW TO MAKE THE HEAP

There need be no fear of putting weeds in the compost heap, even if they are full of weed seeds, and are diseased. The heating, fermenting action of the heap kills the weed seeds and the harmful germs of disease. This is one reason why the use of raw manure is not advisable, except for the compost heap. It is usually full of weed seeds. Another reason why the use of raw, uncomposted manure is bad is that it takes bacterial action in the ground to break down and to rot it. At a time when such bacteria are needed to aid in the

growing process of the crop, some of them are being used to break down this raw manure. This is poor military strategy, if we may compare the bacteria in the soil to an army.

Start off by putting a layer of green material about six inches high on the ground, to the width and length that you have chosen for your heap. This first layer of withered green material or straw is placed on the ground. It is then followed by a layer, about 2 inches thick, either of manure or one of the substitutes such as fish or chicken cuttings or animal matter taken from your kitchen waste. In the case of more concentrated materials like chicken cuttings or other meat products the layer should be only 1 inch thick. You then apply a light sprinkling of lime or wood ashes. Be sure that it is agricultural lime and not the stronger lime which is referred to as gypsum. The lime is needed to sweeten the pile, alkalize it and to hasten decay.

You may then apply a mere sprinkling not over one eighth of an inch of earth, preferably rich earth full of bacteria.

Then you start the process all over again, placing 6 inches of green material on top of the last layer of earth, then 2 inches of manure, lime and earth. You keep on until the heap reaches a height of five feet. Do not tamp it down as you make it but leave it soft and fluffy so that the air can get into the center of the heap. Keep watering it from time to time so that when it is finished it is damp but not too soggy. The right amount of moisture is very important.

As you construct the heap, let it taper up, so that if it is 6 feet wide at the bottom it would be about 3½ feet wide at the top. Also scoop out the center of the top, saucer fashion, so that the top of the heap will hold as much of the water as possible when it rains. The last layer of manure should be a little thicker than the others and the last layer of earth should also be much heavier and cover the sides as well as the top.

If the weather is wet, you need not water the heap, but it is essential to do so when the weather is dry. Somewhat better results will be obtained if you cover the heap on top and sides with a straw mulch about 6 inches thick. This will prevent the top of the heap from drying out when the weather is hot and dry. It will allow the spray of water to reach the heap more uniformly. Without this mulch be careful that you use a fine spray of water on the heap. If you can obtain rain water or water from a pond for spraying so much the better.

When the heap is finished make three holes in the top to allow air to get to different parts of the heap. They should be 5 or 6 inches in diameter and should run from the top to the bottom of the heap in the center of the width of the top. These holes can be made by inserting a crowbar in the heap, a day or two after the heap was completed because by that time the height will naturally come down from five to about two and a half feet. It will thus be much easier to make the holes. A better method is to insert pipes as you are making the heap and to pull them out when it is completed. We use this method on our farm. It produces big,

round holes clear down to the bottom. You might use blocks of wood instead of pipes. They may be square or round.

TURNING THE HEAPS

Three weeks after the heap is completed it is turned so that what was on the outside of the heap goes into the inside. In this manner every bit of material has a chance to undergo the heating, fermentation, decaying action of the inside of the heap, where the bacteria can break it down. Five weeks after the first turn, it is turned again. It is best to use a five-pronged pitch-fork to make these turns. Four weeks later, or exactly three months after the heap was made, it is ready. It does no

harm if it stands a little while after the three month period. In fact in some cases it may take 4 or 5 months for complete decay, due to various factors. It is now humus.

Sir Albert Howard advises that after it is completed that it be applied to the land as soon as possible or placed under cover. If not used for awhile, it should be turned from time to time.

BOX METHODS

There are a dozen ways of designing boxes for the making of compost. The gardener may resort to his own ingenuity. A side enclosure of any kind pays. It protects the heap from the drying effect of the winds. It prevents weeds from growing.



ETHEL CAVE-COLE

We believe you would enjoy reading, and profit by the study of articles presented in the monthly magazine — "**Organic Gardening.**" The subscription price is \$3.00 per year. Two super new glads are **Oriental Pearl** and **Spic and Span**—both are musts in every Glad Garden. Send us your \$3.00 remittance to cover a year's subscription to **Organic Gardening** and we will send postpaid, without any further cost \$3.00 value in either of the above or in a combination of the two as you may prefer—these figured at the prices shown in this catalog. Grown almost any way, they are exceptional. grown with compost they will be superlative.



BANCROFT WINSOR

CHEMICAL DIPS FOR CONTROL OF GLADIOLUS DISEASES

Gladland Acres use no chemical dips to control bulb diseases. Unless we can grow clean bulbs without such treatment we prefer to discard our stock of such varieties. We believe that the major efforts of the hybridists should be directed toward the creation of *Gladiolus* varieties that are more disease resistant.

We feel a definite responsibility to our customers to furnish clean, healthy bulbs from stock that is vigorous and strong. We are ruthless in culling and as a result of growing clean bulbs in new ground we hope to be able to build up strains of more than normal disease resistance. In our warehouse and field inspections this year there were no signs of either fusarium or mosaic—the two diseases that as yet seem incurable and are transmitted thru bulblet production—except in a very few new varieties, grown from bulbs we bought for testing. These, of course, were immediately destroyed while still in the field.

Understand, please, that we do not claim that these preventative dips are not a wise precaution for you to continue using—it may be the insurance of a flower spike that might not otherwise develop.

But we do feel that we should eliminate any chance of our sending out bulbs with latent disease held in temporary check by fungicides. We eliminate this by planting without treatment. We do believe in field sanitation and in control of thrip, aphid and any other possible insect disease carriers. We do use methyl-bromide fumigation for initial kill of possible thrip and eggs, and we use DDT dusting on our cured bulbs to try to eliminate any danger of later infection in our storage bins.

We do not consider bulb scab a serious disease. When it occasionally develops we have always found the cause to be excess nitrogen, and in a change to new location, even without treatment, the new bulbs will be completely clean. Our most annoying bulb disease is botrytis, a fungus disease acting under conditions of damp and very destructive to the bulb tissues. However it seems not to be carried by the bulblets and hence control is possible if quick drying of bulbs can be accomplished and proper field sanitation is maintained. This simply means that no cut foliage or broken spikes or flower heads are left in the fields thru the growing season.



HYBRIDIZATION

The next step in progress is hybridization. Mechanically this is simple; just brush the ripe pollen on to a receptive stigma — and presto — a seed pod. We print a photograph (through the courtesy of Al Bork) which clearly shows you exactly how to do this. We will not attempt to discuss gladiolus genetics, but there are plenty of articles and books dealing with scientific plant breeding. Health, vigor, and disease resistance should be your goal, plus, of course, flower spike perfection. Pick parents always of known disease resistance qualities.

GROWING GLADS FROM SEED

At some point in the progress of the G.ad grower comes first the idea of growing them from seed. This is indeed a fascinating garden adventure. The results are guaranteed to relieve boredom, and if you have never tried this experi-

ment — by all means plant some this year. The planting and culture are quite simple — plant just as early in the spring as weather permits working the ground. The soil must be friable and mellow; by mixing leaf mold or finely ground peat in the soil trench, it can be put in good condition even if quite stiff and hard. The seeds are covered with about ½ inch of light mellow soil (pressed lightly to firm the ground about the seed) and spaced about 2 inches apart so that the new bulb will have room to grow to good size. Germination requires 3 to 5 weeks, when first blades will appear looking almost like a single blade of grass. Keep bed well watered, not of course until the ground is soggy, but well moist at all times. If ever the ground is allowed to become quite dry at root level the growth of the bulb is stopped, and later watering will not start its growth again. The bulbs are dug in late summer or fall and if they have attained a growth of ½ inch diameter or more they should bloom the next year. Most of them, if seed is from the finer modern varieties, will be better than the old-fashioned kinds (which for some unexplainable reason most local seed stores still offer), a few may be as good as the parent, but of course not like it—and once in 10,000 or so you may achieve a miracle. Regardless of the quantity you grow no two will be exactly alike.

GLADIOLUS SEED — This season we saved only seed from spikes in our test garden—all are open pollinated—and all are from new varieties introduced in the past 3 years. Most are from 1946 or 1947 introductions or from trial seedlings grown for test. No record of parentage was kept—but all seed when picked was thrown into one grand mixture. **Price per packet of 15 seeds — 25c.**

GLADIOLUS SEEDLINGS — This past summer we planted some seed saved from some of the most outstanding varieties. Planted quite late, they made mostly size 5 bulbs. We offer these unbloomed size 5 seedling bulbs @ 5 for \$1.00. They could be something very special, but probably most of them will prove to be just good, interesting varieties. If you want the fun of seeing them bloom for the first time, you will certainly get your money's worth. As an investment, however, that is almost certain to pay big cash dividends—we can say frankly that the odds are very much against you. Of course they will all be different, but if, like us, you thrill to the anticipation of the unknown, you will not regret this purchase.



CORONA

A GLADLAND LETTER TO YOU

You are nearing the end of our 1948 GLADLAND CATALOG. We hope that you have enjoyed reading it, and that you have found in some of the feature sections, information that will prove of value to you. Certainly you will agree that the listings are most comprehensive.

The four notable GLADLAND INTRODUCTIONS of 1948 have deserved your consideration, and we hope you have decided to try them. Though low in price, all are remarkable examples of successful hybridization achievement, and won't be cheaper next year. Don't fail to notify us of your wins in the Gladiolus Shows with any or all of these. Each BLUE or better win with BUTTERSCOTCH, APRIL, SNOW MAID, or MARY ODELL earns you a bulb prize worth \$5.00.

If prices of some of the newer varieties that you particularly wanted are still too high for your 1948 budget, let us hope that our growing program of next summer will permit of price reductions of many. And as the summer brings proof of new and outstanding introductions, you may be nearly sure that they will be featured in the GLADLAND LIST of SUPERIOR GLADIOLUS for 1949.

We must express our thanks to all of you who have helped us with data incorporated in this catalog issue. We hope that this summer even more of you will give us information and ideas that will make our next issue still more interesting. Particularly do we want good photographs of artistic gladiolus arrangements and news of new and as yet unreleased seedlings that seem to you exceptional in performance.

May the summer bring you ideal spikes, and may the new names in your bulb plantings prove worthy members of your gladiolus family.

Cordially,

GLADLAND ACRES
By Paul V. Baker.

Why You Should Belong To A Gladiolus Society

We grow and sell Gladiolus Bulbs because to us they are the most satisfying of all flowers. We grow them exclusively because we feel that to do them justice, we cannot afford to let diversions in the culture and sale of other plant species detract from our interest and constant attention. We have no other business affiliations that demand any part of our time, consequently we can and do breathe the gladiolus atmosphere throughout each of the twelve months. As we have attempted to think first of what our friendly customers needed to fulfill their desire for color and charm in their garden pictures, in that measure has our business grown and prospered.

Man is happiest in community associations. "Full many a rose was born to blush unseen" is a line of poetry that was not written for the American gardener. For with the inborn aggressive instinct that is our common heritage, the American is competitive; he achieves and then is only happy when the fruits of his efforts are recognized. It is the expression of this instinct that makes our flower shows a constantly growing display of almost unbelievable flower perfection. It is this instinct that gives the hybridist the patience to attempt through many seasons of intensive effort, the development of a superior blossom.

Those of you who received our fall list, perhaps noted that we gave special inducements to those who wished to join Gladiolus organizations. We made this offer because the national organizations can provide bulletins and annuals that bring to the grower all of the developments of the year, and can provide in minute detail the latest advances in all phases of Gladiolus culture, and we wanted all of our customers to have available this necessary information.

However we are firmly convinced that it is the local and state society that is basic; that it can and often does do more for the popularization of glad culture. It has the advantage of local contacts and acquaintances. Its annual shows are within reach of their enthusiasts, and its show dates are timed so that every local glad grower will have the bulk of his planting in prime condition for the exhibition. Finally, and to us most important of all, it provides a communal organization with an avocation in common. Where the achievement

of growing a Blue Ribbon or Grand Champion spike is recognized, and where you have an audience that is always keenly critical, but whose merited praise is also wholly satisfying.

It is for this reason that we take space in this catalog to advocate Gladiolus Society membership. We hope that all of our customers will join their local society and at least one national one. Our catalog is written to satisfy the advanced amateur and professional grower need for accurate description of the new varieties, and a dependable source of supply for superior varieties. We believe that the more you know about really fine gladiolus, the more certain we are to receive a substantial portion of your annual orders for bulbs. If you are one of the many who like to exhibit, we think Gladland bulbs will allow you to compete successfully. If you prefer to grow simply for the satisfaction of having superb show-winning quality spikes for your own enjoyment, Gladland bulbs are very nearly a sure answer of what and where to obtain the necessary quality bulbs.

Now you see why we propose a substantial subsidy for your 1948 Club Memberships.

To us it is an advertising expense that is sure of returns; for well informed Gladiolus Club members are our most constant and most profitable customers. We won't care whether you are a new member or a renewal, but "just for the record" we would like to know which.

HERE IS OUR OFFER FOR 1948 CLUB MEMBERSHIPS

Regardless of the size of your order you may also remit for membership in either one or two state clubs, and one or two national organizations, or any combination of the above and you may add 1/2 of your membership remittance to your order for bulbs or bulblets. If your bulb order totals more than \$10.00 you may add the total amount of your membership remittance to your order for bulbs.

All of your membership remittances go to the Gladiolus societies or organizations. Your bulb bonus is entirely our contribution and is charged to advertising expense. We believe that this is the most liberal offer made by any cataloger. We hope sincerely that you will take advantage of it.

GLADIOLUS ORGANIZATION ANNUAL DUES

New England Gladiolus Society (Year Book plus 6 magazines) for 1948.....	\$2.00
North American Gladiolus Council (4 quarterly bulletins) for 1948.....	\$1.00
Canadian Gladiolus Society (Year Book) for 1948.....	\$2.00
Any local or state society (bulletins as issued) for 1948.....	\$1.00

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